

## 最終報告書

表　題：イソオクタンのラットにおける反復投与毒性・生殖発生毒性併合試験

試験番号：SR19178

株式会社化合物安全性研究所

試験責任者の署名

表 題：イソオクタンのラットにおける反復投与毒性・生殖発生毒性併合試験

試験番号：SR19178

株式会社化合物安全性研究所

試験責任者

[REDACTED] 2020年3月24日

## 陳述書

表　題：イソオクタンのラットにおける反復投与毒性・生殖発生毒性併合試験  
試験番号：SR19178

本試験は、GLP基準「新規化学物質等に係る試験を実施する試験施設に関する基準について」(平成23年3月31日 薬食発0331第8号・平成23・03・29 製局第6号・環保企発第110331010号 厚生労働省医薬食品局長・経済産業省製造産業局長・環境省総合環境政策局長連名通知)を遵守して実施した。

本試験に用いた試験方法は、試験法ガイドライン「新規化学物質等に係る試験の方法について」(平成23年3月31日薬食発0331第7号・平成23・03・29 製局第5号・環保企発第110331009号 厚生労働省医薬食品局長・経済産業省製造産業局長・環境省総合環境政策局長連名通知)ならびに「新規化学物質等に係る試験の方法について」の一部改正について(平成30年3月29日薬生発0329第13号・20180326 製局第1号・環保企発第1803293号 厚生労働省医薬・生活衛生局長・経済産業省製造産業局長・環境省大臣官房環境保健部長連名通知)に準拠した。

株式会社化合物安全性研究所

試験責任者

2020年3月24日

## 信頼性保証書

表題 : イソオクタンのラットにおける反復投与毒性・生殖発生毒性併合試験

試験番号 : SR19178

本試験は、株式会社化合物安全性研究所 QAU によって、下記のとおり査察された。

査察段階	査察日	試験責任者 への報告日	運営管理者 への報告日
試験計画書	2019年10月 9日	2019年10月 9日	2019年10月 9日
コンピュータプロトコール	2019年10月 9日	2019年10月 9日	2019年10月 9日
被験物質の管理	2019年10月 21日	2019年10月 21日	2019年10月 21日
投与液の調製	2019年10月 21日	2019年10月 21日	2019年10月 21日
投与	2019年10月 29日	2019年10月 29日	2019年10月 29日
性周期検査	2019年10月 29日	2019年10月 29日	2019年10月 29日
試験計画書変更書 (No.1)	2019年11月 1日	2019年11月 1日	2019年11月 1日
生殖能検査 (交配)	2019年11月 11日 2019年11月 12日	2019年11月 13日	2019年11月 13日
尿検査	2019年11月 19日 2019年11月 20日	2019年11月 20日	2019年11月 20日
採血	2019年11月 26日	2019年11月 26日	2019年11月 26日
血液学的検査	2019年11月 26日	2019年11月 26日	2019年11月 26日
血液化学的検査	2019年11月 26日	2019年11月 26日	2019年11月 26日
剖検・器官重量測定	2019年11月 26日	2019年11月 26日	2019年11月 26日
被験物質のサンプリング	2019年12月 2日	2019年12月 2日	2019年12月 2日
病理組織学的検査 (標本作製)	2019年11月 27日 2019年12月 2日 2019年12月 3日	2019年12月 3日	2019年12月 3日
分娩および哺育状態観察	2019年12月 4日	2019年12月 4日	2019年12月 4日
新生児の一般状態観察	2019年12月 4日	2019年12月 4日	2019年12月 4日
新生児の体重測定	2019年12月 4日	2019年12月 4日	2019年12月 4日
哺育児数の調整	2019年12月 9日	2019年12月 9日	2019年12月 9日
肛門生殖突起間距離	2019年12月 9日	2019年12月 9日	2019年12月 9日
乳頭数	2019年12月 17日	2019年12月 17日	2019年12月 17日
新生児の血清採取	2019年12月 17日	2019年12月 17日	2019年12月 17日
新生児の剖検	2019年12月 17日	2019年12月 17日	2019年12月 17日
血液化学的検査	2019年12月 27日	2019年12月 27日	2019年12月 27日
試験計画書変更書 (No.2)	2020年 1月 8日	2020年 1月 8日	2020年 1月 8日
病理組織学的検査 (鏡検)	2020年 1月 15日	2020年 1月 15日	2020年 1月 15日
試験計画書変更書 (No.3)	2020年 3月 2日	2020年 3月 2日	2020年 3月 2日

査察段階	査察日	試験責任者 への報告日	運営管理者 への報告日
コンピュータプロトコール	2020年3月2日	2020年3月2日	2020年3月2日
生データ	2020年2月27日 2020年2月28日 2020年3月2日 2020年3月3日	2020年3月3日	2020年3月3日
最終報告書(草案)：図表	2020年2月27日 2020年2月28日 2020年3月2日 2020年3月3日	2020年3月3日	2020年3月3日
最終報告書(草案)：本文	2020年2月27日 2020年2月28日 2020年3月2日 2020年3月3日	2020年3月3日	2020年3月3日
生データ*	2020年3月4日	2020年3月4日	2020年3月4日
最終報告書(草案)：図表*	2020年3月4日	2020年3月4日	2020年3月4日
最終報告書(草案)：本文*	2020年3月4日	2020年3月4日	2020年3月4日
最終報告書	2020年3月24日	2020年3月24日	2020年3月24日

\* : 改善内容の確認

プロセス調査による査察段階	査察日	試験責任者 への報告日	運営管理者 への報告日
動物受入・検疫・馴化	2019年10月9日	2019年10月9日	2019年10月9日
群分け	2019年10月9日	2019年10月9日	2019年10月9日
一般状態観察	2019年10月9日	2019年10月9日	2019年10月9日
体重測定	2019年10月9日	2019年10月9日	2019年10月9日
摂餌量測定	2019年10月9日	2019年10月9日	2019年10月9日
詳細な状態観察	2019年10月9日	2019年10月9日	2019年10月9日
機能検査	2019年10月9日	2019年10月9日	2019年10月9日

本試験は、「新規化学物質等に係る試験を実施する試験施設に関する基準について」(平成23年3月31日 薬食発0331第8号・平成23・03・29製局第6号・環保企発第110331010号 厚生労働省医薬食品局長・経済産業省製造産業局長・環境省総合環境政策局長連名通知)に従い実施された。

本試験は、試験計画書に従って実施され、また、本報告書には当該試験に使用した方法および手順が正確に記載されており、試験成績には当該試験の実施過程において得られた生データが正確に反映していることを確認した。

株式会社化合物安全性研究所

QAU責任者

 2020年3月24日

## 目次

	頁
表紙 .....	1
試験責任者の署名 .....	2
陳述書 .....	3
信頼性保証書 .....	4
目次 .....	6
表題 .....	9
試験番号 .....	9
試験目的 .....	9
試験実施基準および試験法ガイドライン .....	9
動物愛護 .....	9
試験委託者 .....	10
試験施設 .....	10
試験責任者 .....	10
試験従事者およびその業務分担 .....	10
試験日程 .....	11
1 要約 .....	12
2 緒言 .....	13
3 材料および方法 .....	13
4 成績 .....	33
5 考察 .....	43
6 試験成績の信頼性に影響を及ぼしたと思われる環境要因 .....	44
7 資料の保存 .....	45
8 参考資料 .....	46

## Figures

1-1 ~ 1-3	Body weight .....	47
2-1 ~ 2-3	Food consumption .....	50
3	Body weight of offspring .....	53

## Tables

1-1 ~ 1-9	Clinical sign .....	54
2-1 ~ 2-6	Detailed clinical observation (in the cage) .....	63
3-1 ~ 3-6	Detailed clinical observation (on the hand) .....	69
4-1 ~ 4-6	Detailed clinical observation (in the open field) .....	75

5-1 ~ 5-3	Functional observations (on the desk).....	81
6-1 ~ 6-4	Grip strength.....	84
7-1 ~ 7-3	Motor activity measurements.....	88
8-1 ~ 8-7	Body weight .....	91
9-1 ~ 9-7	Food consumption.....	98
10-1 ~ 10-21	Urinary findings .....	105
11-1 ~ 11-5	Hematological findings.....	126
12-1 ~ 12-7	Biochemical findings.....	131
13	Serum T4 concentration .....	138
14-1 ~ 14-7	Necropsy findings .....	139
15-1 ~ 15-7	Organ weight .....	146
16-1 ~ 16-21	Histopathological findings .....	153
17	Estrous cycles .....	174
18-1, 18-2	Reproductive performance .....	175
19-1, 19-2	Delivery data .....	177
20	Clinical sign of offspring .....	179
21	Litter size and viability index of offspring .....	180
22	Litter data on body weight of offspring .....	181
23	Litter data on anogenital distance of offspring.....	182
24	Litter data on number of nipples in male offspring .....	183
25	Serum T4 concentration of offspring .....	184
26	Necropsy findings of offspring.....	185
<b>Appendices</b>		
1-1 ~ 1-28	Clinical sign .....	186
2-1 ~ 2-70	Detailed clinical observation (in the cage) .....	214
3-1 ~ 3-70	Detailed clinical observation (on the hand) .....	284
4-1 ~ 4-70	Detailed clinical observation (in the open field).....	354
5-1 ~ 5-10	Functional observations (on the desk).....	424
6-1 ~ 6-12	Grip strength.....	434
7-1 ~ 7-10	Motor activity measurements.....	446
8-1 ~ 8-22	Body weight .....	456
9-1 ~ 9-22	Food consumption.....	478

10-1 ~ 10-30	Urinary findings .....	500
11-1 ~ 11-14	Hematological findings .....	530
12-1 ~ 12-14	Biochemical findings .....	544
13-1 ~ 13-4	Serum T4 concentration .....	558
14-1 ~ 14-16	Necropsy findings .....	562
15-1 ~ 15-20	Organ weight .....	578
16-1 ~ 16-28	Histopathological findings .....	598
17-1 ~ 17-8	Estrous cycles and copulation .....	626
18-1 ~ 18-8	Reproductive performance .....	634
19-1 ~ 19-8	Delivery data .....	642
20-1 ~ 20-16	Clinical sign of offspring .....	650
21-1 ~ 21-4	Litter size and viability index of offspring .....	666
22-1 ~ 22-4	Litter data on body weight of offspring .....	670
23-1 ~ 23-4	Litter data on anogenital distance of offspring .....	674
24-1 ~ 24-4	Litter data on number of nipples in male offspring .....	678
25-1 ~ 25-4	Serum T4 concentration of offspring .....	682
26-1 ~ 26-4	Necropsy findings of offspring .....	686
Annexes		
1	製品検査報告書 .....	690
2	調製液中のイソオクタンの安定性試験および濃度確認試験 最終報告書 .....	691

最終頁 711

**表題**

イソオクタンのラットにおける反復投与毒性・生殖発生毒性併合試験

**試験番号**

SR19178

**試験目的**

イソオクタンを雌雄ラットに反復経口投与してその毒性ならびに性腺機能、交尾行動、受胎および分娩等の生殖に及ぼす毒性を検討した。加えて、28日間の反復投与終了後14日間の休薬による毒性の回復性についても検討した。

**試験実施基準および試験法ガイドライン**

**試験実施基準 (GLP)** :「新規化学物質等に係る試験を実施する試験施設に関する基準について」(平成23年3月31日 薬食発0331第8号・平成23・03・29 製局第6号・環保企発第110331010号 厚生労働省医薬食品局長・経済産業省製造産業局長・環境省総合環境政策局長連名通知)

**試験法ガイドライン** :「新規化学物質等に係る試験の方法について」(平成23年3月31日薬食発0331第7号・平成23・03・29 製局第5号・環保企発第110331009号 厚生労働省医薬食品局長・経済産業省製造産業局長・環境省総合環境政策局長連名通知)ならびに「新規化学物質等に係る試験の方法について」の一部改正について(平成30年3月29日薬生発0329第13号・20180326 製局第1号・環保企発第1803293号 厚生労働省医薬・生活衛生局長・経済産業省製造産業局長・環境省大臣官房環境保健部長連名通知)

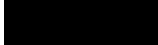
**動物愛護**

**法規および基準等** :「動物の愛護及び管理に関する法律」(昭和48年10月1日 法律第105号, 最終改正 平成29年6月2日 法律第51号)  
 「実験動物の飼養及び保管並びに苦痛の軽減に関する基準」(平成18年4月28日 環境省告示第88号, 最終改正 平成25年8月30日 環境省告示第84号)  
 「動物実験に関する指針」(昭和62年5月22日承認 社団法人日本実験動物学会)

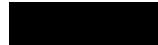
「厚生労働省の所管する実施機関における動物実験等の実施に関する基本指針について」(平成18年6月1日 科発0601001号, 最終改正 平成27年2月20日 科発0220第1号)

動物実験倫理 : 本試験は、動物実験の必要性および苦痛の軽減等について試験施設の動物実験倫理委員会により審議され、運営管理者の承認を得ており、試験施設の動物実験倫理規定に準拠して実施した。

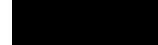
#### 試験委託者

名称 : 厚生労働省 医薬・生活衛生局  
所在地 : 東京都千代田区霞が関1-2-2(〒100-8916)  
担当者 : 医薬品審査管理課化学物質安全対策室  


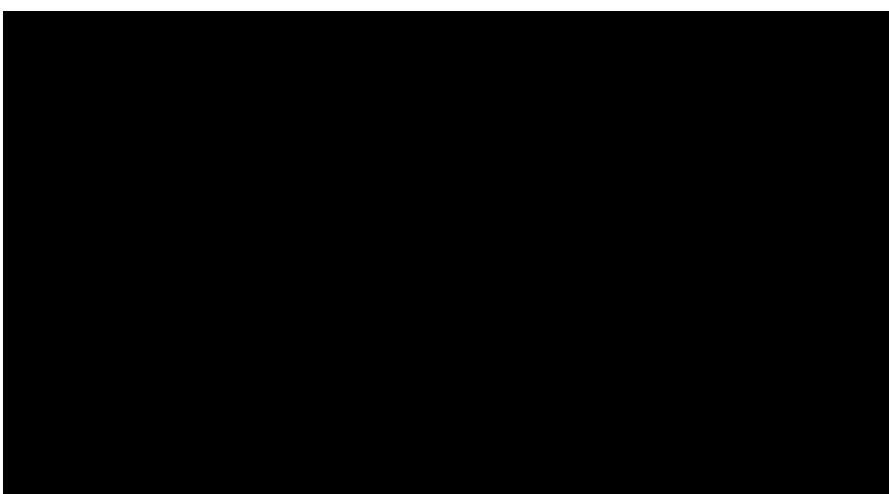
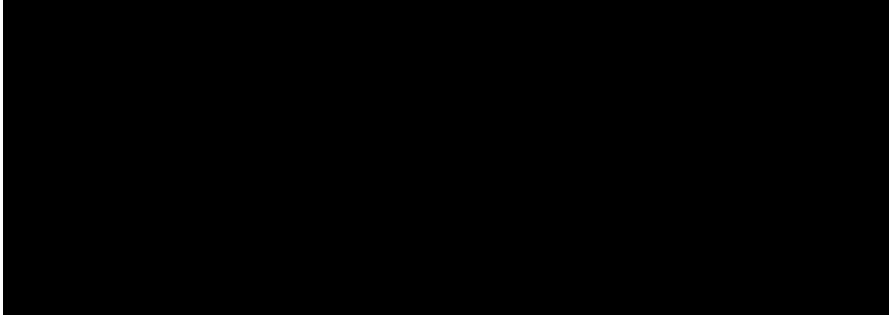
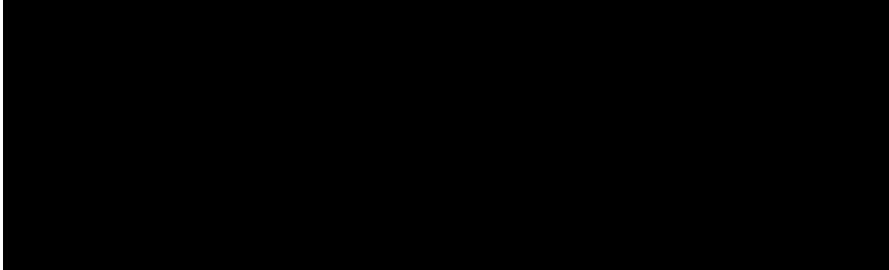
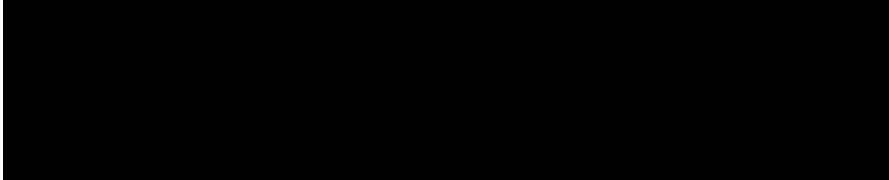
#### 試験施設

名称 : 株式会社化合物安全性研究所  
所在地 : 札幌市清田区真栄363番24(〒004-0839)  
運営管理者 : 

#### 試験責任者

氏名 :   
所属 : 株式会社化合物安全性研究所 安全性研究部

#### 試験従事者およびその業務分担

被験物質の調製 :   
動物管理 :   
検疫・馴化 :   
投与・観察・測定 : 

## 臨床検査

[REDACTED] (担当責任者 2019 年 10 月 31 日まで, 分担責任者 2019 年  
11 月 1 日以降 2020 年 3 月 1 日まで), [REDACTED] (分担責任者 2020  
年 3 月 2 日以降) [REDACTED]

[REDACTED]

## 病理検査

: [REDACTED] (担当責任者 2019 年 10 月 31 日まで, 分担責任者 2019 年  
11 月 1 日以降) [REDACTED]

[REDACTED]

## 試験日程

試験開始日 : 2019 年 10 月 9 日

動物受入 : 2019 年 10 月 9 日

群分け : 2019 年 10 月 28 日

投与開始 (実験開始) : 2019 年 10 月 29 日

交配開始 : 2019 年 11 月 11 日

雄動物およびサテライト群雌動物投与終了 :

2019 年 11 月 25 日

雄動物およびサテライト群雌動物 (投与終了時剖検例) 剖検 :

2019 年 11 月 26 日

母動物分娩開始 : 2019 年 12 月 4 日

生後 4 日児数調整開始 : 2019 年 12 月 8 日

サテライト群雄および雌動物 (回復終了時剖検例) 剖検 :

2019 年 12 月 10 日

生後 13 日新生児剖検開始 :

2019 年 12 月 17 日

母動物剖検開始 : 2019 年 12 月 18 日 (最終剖検 12 月 27 日)

実験終了日 : 2020 年 3 月 4 日

試験終了日 : 2020 年 3 月 24 日

## 1 要約

イソオクタンの 0 (溶媒対照, トウモロコシ油), 30, 100 および 300 mg/kg を 1 群雌雄各 12 匹の Crl:CD(SD) ラットに, 雄に対しては交配前, 交配期間および交配後を含む計 28 日間, 雌に対しては交配前, 交配および妊娠期間, ならびに分娩後 13 日までの期間経口投与し, 雌雄動物への反復投与による影響, 雌雄動物の生殖および新生児の発生に及ぼす影響について検討した. また, 0 (対照) および 300 mg/kg について, 雄動物は各 5 匹を選抜して 28 日間の投与終了後 14 日間の回復性を検討し, 雌動物は各 10 匹の非交配群を別に設け, 5 匹は 28 日間の投与終了時に剖検し, 5 匹はさらに 14 日間の回復性についても検討した.

### 1.1 反復投与毒性

300 mg/kg 群では, 投与期間中の一般状態の変化として, 雄の全例に着色尿, 2 例に外尿道口周囲被毛汚染がみられた. 体重, 体重増加量および摂餌量では, 雄で投与期間を通じて, 主試験群の雌で妊娠および哺育期間中に, 非交配群の雌で投与 21 または 28 日に有意な低値または低値傾向がみられた. その他に, 主試験群の雌で網赤血球数の高値, 非交配群の雌で前肢の握力に低値, 白血球数および白血球分画 (好中球, リンパ球, 単球, 好酸球) の低値ならびに脾臓重量の低値がみられた. 器官重量では, 非交配群を含む雌雄とも肝臓に高値がみられ, 加えて雄で胸腺の低値がみられたが, 病理組織学的異常は認められなかった.

30 および 100 mg/kg 群では, 雄の腎臓に関する項目を除き, 雌雄ともいずれの検査項目にも被験物質投与に関連する変化はみられなかった.

雄の腎臓の病理組織学的検査では, 被験物質投与群の全例で近位尿細管上皮の好酸性小体の発生頻度の増加がみられた.  $\alpha$ 2u-グロブリン抗体による免疫染色の結果は陽性であったことから,  $\alpha$ 2u-グロブリン腎症と判断され, ヒトへの外挿性の無い変化と考えられた. 100 および 300 mg/kg 群では腎臓の相対重量の高値, 尿量の増加と尿比重の低値がみられ, 300 mg/kg 群ではこれらに加えて血液化学的検査で尿素窒素の高値がみられ,  $\alpha$ 2u-グロブリン腎症との関連性が示唆された.

以上の変化には回復性が認められた.

したがって, 本試験条件下におけるイソオクタンの反復投与毒性に関する無毒性量 (NOAEL) は雌雄とも 100 mg/kg/day と考えられた.

### 1.2 生殖発生毒性

主試験群の生殖能検査および新生児の検査では, 300 mg/kg 群まで, いずれの項目にも被験物質投与に関連する変化はみられなかった.

したがって, 本試験条件下におけるイソオクタンの親動物の生殖ならびに新生児の発生に対する無毒性量 (NOAEL) はいずれも 300 mg/kg/day と考えられた.

## 2 緒言

イソオクタンの 0 (溶媒対照, トウモロコシ油), 30, 100 および 300 mg/kg を 1 群雌雄各 12 匹の Crl:CD(SD) ラットに, 雄に対しては交配前, 交配期間および交配後を含む計 28 日間, 雌に対しては交配前, 交配および妊娠期間, ならびに分娩後 13 日までの期間経口投与し, 雌雄動物への反復投与による影響, 雌雄動物の生殖および新生児の発生に及ぼす影響について検討した. また, 0 (対照) および 300 mg/kg について, 雄動物は各 5 匹を選抜して 28 日間の投与終了後 14 日間の回復性を検討し, 雌動物は各 10 匹の非交配群を別に設け, 5 匹は 28 日間の投与終了時に剖検し, 5 匹はさらに 14 日間の回復性についても検討した.

## 3 材料および方法

### 3.1 被験物質

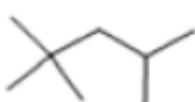
名称 : イソオクタン  
別名 : Isooctane  
2,2,4-Trimethylpentane<sup>1)</sup>

製品名 : [REDACTED]

CAS 番号 : 26635-64-3

官報公示整理番号 : (2)-8

構造式<sup>1)</sup> :



化学式<sup>1)</sup> : C<sub>8</sub>H<sub>18</sub>

分子量<sup>1)</sup> : 114.23

物理化学的性質<sup>2)</sup> : 外観 ; 無色透明液体

化学的安定性 ; 通常の取扱い条件では安定

融点・凝固点 ; -65°C 以下

沸点 ; 116°C

水への溶解度 ; 0.01 g/100 g 以下 (20°C)

ロット番号<sup>3)</sup> : 107187

含有率 (規格値)<sup>2)</sup> : 97%以上

提供者 : 名 称 ; [REDACTED]

所在地 [REDACTED]

試験施設受領日 : 2019 年 8 月 28 日

被験物質管理責任者からの移管量 :

500.32 g

使用量 : 282.4066 g

安定性 : 試験操作終了後、株式会社日曹分析センターにて安定性分析を実施した。その結果、投与期間中被験物質は安定であったことが確認された(Annex 2)。

保存条件 : 室温 (実測範囲 20.9 ~ 22.8°C), 気密

保存場所および保存期間 : 被験物質保存室 ; 2019 年 8 月 28 日 (試験施設受領) ~ 2019 年 12 月 18 日 (最終調製)

取扱上の注意 : ゴム手袋、マスクおよび保護メガネを着用した。被験物質を分取する場合は、ガラス製の器具およびガラス容器を用いた。

サンプリング : 約 5 g (実測値 5.0011 g) を採取し、試験施設の資料保存室に保存した。

### 3.2 対照物質 (媒体)

名称 : トウモロコシ油

製造業者 : ナカライトスク株式会社

ロット番号 : V9K5988

保存条件 : 室温 (実測範囲 20.9 ~ 22.8°C) で保存した。ただし、開封後の残余は保存しなかった。

対照群の投与用として分注後は、被験物質調製液と同様に保存した。

保存場所および保存期間 : 被験物質保存室 ; 2019 年 8 月 26 日 (試験施設受領) ~ 2019 年 12 月 18 日 (最終調製)

被験物質管理責任者からの移管量 :

500 g × 46 本

使用量 : 500 g × 29 本

取扱上の注意 : 特になし。

### 3.3 投与液の調製および化学分析

調製方法 : 投与量毎に被験物質を正確に秤量した。所定の濃度となるように媒体(対照物質)を加えてメスアップし、スターラーを用いて溶解させた。

調製頻度 : 調製液は 3 ~ 9 日の間隔で 9 回調製し、10 日以内に使用した。

保存場所および保存期間 : 被験物質保存室 ; 2019 年 10 月 21 日 (初回調製) ~ 2019 年 12 月 26

## 日 (最終投与)

- 保存条件 : ガラス製の遮光気密容器に入れ、室温（実測範囲 21.0 ~ 22.8°C）で保存した。
- 調製上の注意 : ゴム手袋、マスクおよび保護メガネを着用した。調製および分取の際は、ガラス製の器具を使用した。
- 残余投与液の処置 : 焼却処分するために産業廃棄物として回収した。
- 投与液の安定性の確認 : 2 および 200 mg/mL の濃度の調製液について、室温保存 10 日間（調製日を 0 日として起算）の安定性を確認した。調製および安定性の分析は株式会社日曹分析センターが実施し、分析結果を入手した。分析の結果、室温保存 10 日間の安定性が確認された (Annex 2)。
- 投与液の濃度確認 : 被験物質の全濃度に関する投与液中の濃度を、初回および雄の最終回投与に使用する調製液について確認した。投与液の濃度分析は株式会社日曹分析センターが実施し、分析結果を入手した。分析の結果、いずれの濃度も適切であることが確認された (Annex 2)。

## 3.4 試験系

- 種・系統 : ラット、Crl:CD(SD)
- 微生物統御 : SPF
- 生産業者 : 日本チャールス・リバー株式会社
- 微生物モニタリング : 動物生産業者よりデータを入手した。
- 動物選定理由 : ラットはこの種の試験で通常用いられている動物種であり、繁殖成績が安定していることと試験施設における背景対照データが利用できることからこの系統を選定した。
- 受入動物数 : 雄 50 匹、雌 72 匹 (未経産)
- 受入動物週齢 : 雌雄とも 9 週齢
- 出荷体重基準 : 雄 270 ~ 360 g、雌 180 ~ 240 g
- 受入時体重範囲 : 雄 310 ~ 352 g、雌 181 ~ 221 g
- 投与開始時週齢 : 雌雄とも 11 週齢
- 群数 : 雄 6 群、雌 8 群 (主試験群 雌雄各 4 群、サテライト群 雄 2 群、雌 非交配群 4 群)
- 各群動物数 : 主試験群 雌雄各 12 匹、サテライト群 雌雄各 5 匹

### 3.5 検疫および馴化

期間	: 検疫期間は受入日（検疫 1 日）から検疫 6 日までの期間。 馴化期間は検疫期間を含めた群分け日までの期間。
方法	: 一般状態を 1 日 1 回観察し、体重を受入時、検疫 6 日および群分け日に測定した。馴化期間中の一般状態および体重には、いずれの動物にも異常は認められなかった。
性周期検査	: 雌動物について、性周期検査を膣垢スメア塗抹法により群分け日までの 14 日間実施した。検査の結果、2 例（受入時動物番号 5018 および 5047）に性周期異常がみられた以外に、異常は認められなかった。

### 3.6 群分け

馴化期間中に実施した一般状態観察、体重測定および雌の性周期検査の結果を参考にして、動物の使用の適否を決定した。コンピュータシステム (MiTOX, 三井 E & S システム技研株式会社) を使用して、雄 48 匹、雌 68 匹を選抜し、群分け日（投与開始前日）の体重に基づいて層化無作為抽出法により群間で平均体重が均一になるように各群に割当てた。ただし、雌については主試験群、サテライト群それぞれの平均体重が均一になるようにした。選抜した動物の体重範囲は、雄で 405 ~ 492 g、雌で 218 ~ 278 g であり、平均体重（雄 447.7 g、雌 252.3 g）の ± 20% 以内であった。群分けから外れた動物は、投与開始日に試験から除外し、試験施設の標準操作手順書に従って取り扱った。

### 3.7 動物およびケージの識別

動物	: 群分け前は受入時に油性フェルトペンで尾部に印を付け、個体識別を行った。  群分け後は耳介に動物番号を入れ墨し、個体識別を行った。ただし、新生児については個体識別を行わなかった。
飼育ケージ	: 群分け前は試験 No., 識別 No., 性別, ケージ No. および種 / 系統を印字したラベルを各ケージの前面に標示した。  群分け後は試験 No., 動物 No., 性別, 被験物質名, 用量（経路）および種 / 系統を印字したラベルを各ケージの前面に標示した。交尾成立雌動物は上記と同様の項目を記載した新たなラベルに交換し、交尾成立日ならびに交尾成立日毎のグループ名を明記して表示した。分娩終了した雌は群分け後のラベルに交換して哺育 0 日の日付ならびに哺育 0 日毎のグループ名を明記した。

### 3.8 動物飼育

#### 3.8.1 飼育環境

飼育室番号	: 306 号室
温度・湿度	: $22 \pm 3^{\circ}\text{C}$ (実測範囲 $20 \sim 24^{\circ}\text{C}$ ), $50 \pm 20\%$ (実測範囲 $40 \sim 57\%$ )
換気回数	: 10 ~ 15 回/時間
照明時間	: 人工照明 12 時間 (8:00 ~ 20:00)

#### 3.8.2 飼育器材および飼育方法

ケージの種類	: プラケット式金属製金網床ケージ (300W × 410D × 200H, mm) ただし、交尾成立雌動物については妊娠 17 日から哺育 13 日まで同ケージの金網床を小型受皿に代えて実験動物用床敷 (ホワイトフレーク, 日本チャールス・リバー株式会社, ロット番号 180821, 190625) を使用した。
--------	---

1 ケージあたりの収容動物数 :

検疫および馴化期間中は 2 匹ずつ、群分け後は 1 匹、交配期間中は雌雄各 1 匹、分娩後は 1 腹とした。

ケージ内動物数の選択理由 :

摂餌量の例数を確保するため、および雄では闘争による傷害を避けるため、群分け後は単独飼育とした。

ケージ交換 : 群分け時に実施し、その後は以下の頻度で実施した。

雄およびサテライト群雌 : 投与 14 日および回復 1 日

主試験群雌 : 交尾成立後は妊娠 0 日および 14 日ならびに哺育 7 日

受皿交換 : 週 2 回実施した。

小型受皿の交換 : 妊娠 20 日および哺育 7 日に実施した。

給餌器交換 : ケージ交換時に実施した。

自動給水装置の水抜き : 週 1 回実施した。

給水器 : 雄およびサテライト群の雌は尿検査時にのみ使用した。主試験群の雌に使用した給水器については、2 日に 1 回交換した。

室内の清掃 : 1 日 1 回実施した。

室内の消毒 : 塩素系消毒薬およびヨウ素系消毒薬を 1 週間単位で交互に使用する清拭消毒を 1 日 1 回実施した。

### 3.8.3 飼料

種類・名称	: 固型飼料, CRF-1
ロット番号	: 190409, 190607, 190705
製造業者	: オリエンタル酵母工業株式会社
給餌方法	: 金属製給餌器を用いて自由に摂取させた。 ただし、剖検前日の夕刻からは全例を絶食させた。
汚染物質等の確認	: 試験に悪影響を及ぼす恐れのある汚染物質等の有無を使用した各ロットの飼料について分析した。分析はユーロフィン・フードアンドプロダクト・テスティング株式会社(分析報告書: Nos. AR-19-JP-001431-01-JA, AR-19-JP-002019-04-JA, AR-19-JP-002227-01-JA) および飼料製造業者(分析試験報告書: Nos. 19G03-006, 19G03-027, 19G03-040) が行い、分析データを飼料製造業者からロット毎に入手した。分析項目と許容値は試験施設の標準操作手順書に準拠した。分析の結果、いずれの項目にも許容値を超える値は認められなかった。

### 3.8.4 飲料水

種類	: 札幌市水道水
給水方法	: 自動給水装置あるいは給水器を用いて自由に摂取させた。
汚染物質等の確認	: 試験に悪影響を及ぼす恐れのある汚染物質等について、2019年7月1日および2020年1月6日に当該飼育室の配管の最末端(306号室)から試料を採取して確認した。分析は日本衛生株式会社(水質検査結果表: Nos. A191368, A195310)が行い、分析データを入手した。分析項目と許容値は試験施設の標準操作手順書に準拠した。分析の結果、いずれの項目にも許容値を超える値は認められなかった。

## 3.9 被験物質の投与

### 3.9.1 投与量の設定

投与量	: 0(対照), 30, 100 および 300 mg/kg/day
設定理由	: 先に実施した予備試験(SR19177) <sup>4)</sup> (投与量 0, 30, 100, 300 および 1000 mg/kg/day, 雄雌各 3 匹/群, 14 日間反復経口投与) の結果、1000 mg/kg 群では、雄全例および雌 1 例に投与 4 日に体重の著しい減少および臨床症状がみられ、反復投与の継続は困難と判断し、投与 5 日の投与後に全例を安楽死させた。300 mg/kg 群では、雄で、投与 9 日以降剖検

日まで着色尿が観察された。体重、体重増加量および摂餌量に投与 14 日に低値傾向がみられた。血液化学的検査では、総コレステロールの有意な高値、尿素窒素の高値傾向がみられ、腎臓重量の高値がみられた。100 および 30 mg/kg 群では、検査したいずれの項目にも、雌雄とも変化は認められなかった。以上より、本試験では、何らかの毒性変化が予測される 300 mg/kg/day を高用量とし、以下公比約 3 として 100 および 30 mg/kg/day をそれぞれ中用量および低用量に設定した。

### 3.9.2 試験群の構成

試験群の構成と各群の動物番号は以下の通りとした。

試験群	投与量 (mg/kg)	濃度 (mg/mL)	投与容量 (mL/kg)	動物数(動物番号)		
				雄	雌	識別
<主試験群>						
対照	0	0	5.0	12 (10101~10112)	12 (50151~50162)	白
低用量	30	6	5.0	12 (10201~10212)	12 (50251~50262)	緑
中用量	100	20	5.0	12 (10301~10312)	12 (50351~50362)	青
高用量	300	60	5.0	12 (10401~10412)	12 (50451~50462)	赤
<サテライト群>						
対照(投与終了時剖検例)	0	0	5.0		5 (50551~50555) <sup>b</sup>	白
(回復終了時剖検例)	0	0	5.0	5 (10106, 10109, 10110, 10111, 10112) <sup>a</sup>	5 (50556~50560) <sup>b</sup>	白
高用量(投与終了時剖検例)	300	60	5.0		5 (50651~50655) <sup>b</sup>	赤
(回復終了時剖検例)	300	60	5.0	5 (10406, 10407, 10408, 10410, 10411) <sup>a</sup>	5 (50656~50660) <sup>b</sup>	赤

対照群には、他の群と同様の方法で対照物質（媒体）のみを投与した。

a : 主試験群から投与 21 日の体重に基づいて、各群の体重の平均値に近似するように、各群から 5 匹ずつ選抜した。ただし、交配中の雄動物は選抜から除いた。

b : 非交配群

### 3.9.3 投与

- 投与経路 : 経口投与
- 投与方法 : ディスポーザブル胃ゾンデおよびガラスシリソングを用いて強制的に胃内に投与した。
- 投与回数 : 1 日 1 回、連日投与した。
- 投与時刻 : 8：46 ~ 11：40

投与期間 : 雄 ; 交配 14 日前より 28 日間  
                   雌 ; 交配前 14 日間および交尾成立までの交配期間, さらに交尾成立例は妊娠期間および分娩後 13 日 (哺育 0 日を分娩後 0 日として起算) までの期間, 妊娠 25 日まで分娩が認められない交尾成立例は妊娠 25 日までの期間  
                   サテライト群については 28 日間

回復 (休薬) 期間 : 投与期間終了後 14 日間

投与液量 : 各個体の投与液量は, 投与日に最も近い測定日の体重に基づいて算出した.

投与方法, 投与経路, 投与回数および投与期間ならびに回復期間の選定理由 :  
                   試験法ガイドラインに準拠した.

### 3.10 観察, 測定および検査項目

投与開始日を投与 1 日 (Day 1), 投与 28 日の翌日を回復 1 日 (Recovery Day 1) と起算し, 雄動物およびサテライト群の剖検日は投与 28 日の翌日 (Day 29) および回復 14 日の翌日 (Recovery Day 15) とした. 雌動物の交配後は, 交尾成立日を妊娠 0 日, 分娩終了日を哺育 0 日, 剖検日を分娩後 14 日 (Day 14 after delivery) と規定した.

#### 3.10.1 反復投与毒性

##### 3.10.1.1 一般状態観察

例数 : 全例

期間 : 投与 1 日から剖検日まで

頻度 : 投与期間中は投与前および投与後の 1 日 2 回, 回復期間中は午前および午後の 1 日 2 回, 剖検日は 1 回観察した.

観察方法 : 個々の動物の生死, 外観, 行動等について観察した. 異常が認められる場合は, その症状ならびに症状の発現および消失について記録した. 死亡した動物は発見後速やかに, 衰弱の著しい動物はイソフルラン (動物用イソフルラン, マイラン製薬株式会社) 麻酔下で腹部大動脈を切断して安楽死させ, 剖検した.

##### 3.10.1.2 詳細な状態観察

例数 : 全例

時期 : 投与開始前ならびに投与 7, 14, 21 および 28 日  
                   主試験群の雌については, 上記に加えて投与 35, 42 および 49 日

回復期間中は、回復 7 および 14 日

観察方法 : あらかじめ定めたスコアリング基準を用いてスコア化した観察結果を記録した。

観察項目およびその方法 :

- [1] 体位・姿勢、呼吸状態、振戦・痙攣、常同行動（回転・旋回）、異常行動（自咬）をケージの外から観察した。
- [2] 取り出し易さ、取扱い易さ、筋収縮性、立毛、被毛の状態、皮膚、眼・眼球および粘膜の外観、瞳孔径、流涙、流涎、その他分泌物の有無について、ケージから取り出す時に観察した。
- [3] 歩行、運動協調性、環境刺激に対する反応、探索行動（匂嗅ぎ・立上り）、排泄状態（排尿・排糞）、常同行動（身づくろい・くびぶり）、異常行動（後ずさり・異常発声）、攻撃性について、オープンフィールド内で観察した。

### 3.10.1.3 機能検査

例数 : 各群の投与 21 日の体重の平均値に近似するように選抜した雄の各群 5 例およびサテライト群（回復終了時剖検例）の雌ならびに主試験群の雌の分娩日の早いものから順に選抜した各群 5 例。

時期 : 主試験群の雄およびサテライト群の雌は、投与 4 週（投与 24 日）に実施した。投与 4 週の検査の結果、サテライト群の雌で前肢の握力に有意な低値がみられたため、回復 2 週（回復 8 日）に握力の検査のみ実施した。

主試験群の雌は哺育 13 日に実施した。

観察 / 測定方法 : あらかじめ定めたスコアリング基準を用いてスコア化した観察結果あるいは測定機器による測定値を記録した。

観察項目およびその方法 :

- [1] 刺激に対する感覚運動反応：検査台上で以下を観察した。  
視覚刺激、触覚刺激、聴覚刺激、痛覚刺激、固有受容器刺激、空中正向反射
- [2] 握力：CPU ゲージ（アイコーエンジニアリング株式会社）を用いて前肢および後肢について各 3 回測定し、1 g 単位で記録した。
- [3] 自発運動量：自発運動量測定装置（スーパーメックスおよび CompAct、室町機械株式会社）を用いて、上記に引き続き、10 分

間隔で 1 時間測定した。

#### 3.10.1.4 体重測定

- 例数 : 全例
- 測定日 : 雄およびサテライト群の雌は、投与 1, 4, 7, 14, 21 および 28 日の投与前、回復 1, 7 および 14 日ならびに剖検日。  
主試験群の雌は、投与 1, 4, 7, 14 日の投与前、妊娠 0, 7, 14 および 20 日の投与前、哺育 0, 4, 7 および 13 日の投与前ならびに分娩後 14 日の剖検日。ただし、妊娠 25 日まで分娩が認められなかった交尾成立例は妊娠 26 日（剖検日）にも測定した。  
死亡例および衰弱による安楽死例については、死亡発見時または安楽死実施日の体重を記録した。
- 測定方法 : 電子式上皿天秤 (GX-2000, 株式会社 エー・アンド・デイ) を用いて測定した。
- 体重増加量 : 以下の式により算出した。  
 <雄およびサテライト群の雌>  
 投与期間 ;  

$$\text{体重増加量 (g)} = \text{投与 28 日体重 (g)} - \text{投与 1 日体重 (g)}$$
 回復期間 ;  

$$\text{体重増加量 (g)} = \text{回復 14 日体重 (g)} - \text{回復 1 日体重 (g)}$$
<主試験群の雌>  
 交配前投与期間 ;  

$$\text{体重増加量 (g)} = \text{投与 14 日体重 (g)} - \text{投与 1 日体重 (g)}$$
 妊娠期間 ;  

$$\text{体重増加量 (g)} = \text{妊娠 20 日体重 (g)} - \text{妊娠 0 日体重 (g)}$$
 哺育期間 ;  

$$\text{体重増加量 (g)} = \text{哺育 13 日体重 (g)} - \text{哺育 0 日体重 (g)}$$

#### 3.10.1.5 摂餌量測定

- 例数 : 全例
- 測定日 : 雌雄とも交配中の週および剖検日を除き、体重測定と同じ日に実施した。
- 測定方法 : 電子式上皿天秤 (GX-2000, 株式会社 エー・アンド・デイ) を用いて

測定した。

投与 1 日または回復 1 日に適当量を測定後ケージ毎に給餌し、その後は測定日に残餌量および／または給餌量を測定した。

次式より、摂餌量 (g/day) を算出した。ただし、哺育期間中の雌については、1 腹あたりの摂取量として表わした。

$$\text{摂餌量 (g/day)} = [\text{給餌量 (g)} - \text{残餌量 (g)}] / \text{測定日間の日数 (day)}$$

### 3.10.1.6 尿検査

- 例数 : 雄は機能検査と同一の各群 5 例について、雌はサテライト群の回復終了時剖検例
- 時期 : 投与 4 週 (投与 22~23 日) および回復 2 週 (回復 8~9 日)。
- 採尿方法 : 非絶食下でラット用代謝ケージ (KN-646, B-1 型、株式会社夏目製作所) を用いて採尿し、投与直後から約 3 時間の蓄尿で [1] ~ [9] を、また約 21 時間の蓄尿で [10], [11] を実施した。[9] については、遠心分離 (約  $400 \times g$ , 5 分,  $4^{\circ}\text{C}$ ) して、沈査を検査した。なお、動物番号 50559 については、投与 22 日に約 3 時間の尿が採取できなかったため、翌日に再度代謝ケージを用いて約 3 時間尿を採取し、[1] ~ [9] を検査した。採取した尿は検査終了後廃棄した。

検査項目および検査方法 :

[1]	pH	試験紙法
[2]	蛋白 (Protein)	試験紙法
[3]	糖 (Glucose)	試験紙法
[4]	ケトン体 (Ketone body)	試験紙法
[5]	ウロビリノーゲン (Urobilinogen)	試験紙法
[6]	ビリルビン (Bilirubin)	試験紙法
[7]	潜血反応 (Occult blood)	試験紙法
[8]	色調 (Color)	肉眼観察
[9]	尿沈渣 (Urinary sediments)	Sternheimer 染色法
[10]	尿量 (Urine Volume)	容量測定
[11]	比重 (Specific gravity)	屈折計法

[1] ~ [7] マルティスティックス、シーメンスヘルスケア・ダイアグノスティクス株式会社

[9] 顕微鏡 BH-2、オリンパス株式会社

[11] 尿比重屈折計ユリコン-S、株式会社アタゴ

### 3.10.1.7 血液学的検査

- 例数 : 各群 5 例 (主試験群の雄は機能検査に用いた動物以外から動物番号の

若い順に選抜した。主試験群の雌は機能検査と同一例、サテライト群は全例)

時期 : 剖検時 [主試験群の雄およびサテライト群の雌(投与終了時剖検例)は投与 28 日の翌日、主試験群の雌は分娩後 14 日、サテライト群の雄および雌(回復終了時剖検例)は回復 14 日の翌日]に採血した。

検査方法 : 夕刻からの一晩の絶食下(16~19 時間)でラットをイソフルラン麻酔し、腹部大動脈より採血した。検査項目のうち [1]~[10] については EDTA・2K(ベノジェクト II 真空採血管、テルモ株式会社)で処理した血液約 1 mL を用い、[11], [12] については 3.8% クエン酸ナトリウムで処理した血液約 1 mL(3.8% クエン酸ナトリウム溶液 0.1 mL+ 血液 0.9 mL) を遠心分離(約  $2000 \times g$ , 10 分, 4°C)し、得られた血漿を用いた。主試験群の雌の血漿は、採取後凍結保存(-80°C 設定)し、測定時に融解して用いた。得られた血液および血漿は検査終了後廃棄した。全例の白血球分画が得られたため、白血球塗抹標本は作製しなかった。

検査項目および検査方法 :

[1] 赤血球数 (RBC)	電気抵抗検出法
[2] ヘマトクリット値 (HCT)	電気抵抗検出法
[3] ヘモグロビン濃度 (HGB)	SLSヘモグロビン法
[4] 平均赤血球容積 (MCV)	RBC, HCT 値より算出
[5] 平均赤血球ヘモグロビン量 (MCH)	RBC, HGB 値より算出
[6] 平均赤血球ヘモグロビン濃度 (MCHC)	HCT, HGB 値より算出
[7] 血小板数 (Platelet)	電気抵抗検出法
[8] 網赤血球数 (Reticulocyte)	フローサイトメトリー法
[9] 白血球数 (WBC)	フローサイトメトリー法
[10] 白血球分画 (Differential count of WBC)	フローサイトメトリー法
1 好中球 (Neutrophil, $10^2/\mu\text{L}$ )	
2 好酸球 (Eosinophil, $10^2/\mu\text{L}$ )	
3 好塩基球 (Basophil, $10^2/\mu\text{L}$ )	
4 単球 (Monocyte, $10^2/\mu\text{L}$ )	
5 リンパ球 (Lymphocyte, $10^2/\mu\text{L}$ )	
[11] プロトロンビン時間 (PT)	トロンボプラスチン法
[12] 活性化部分トロンボプラスチン時間 (APTT)	エラジン酸法

[1]~[10] 自動血球分析装置 XT-2000 iV, シスメックス株式会社

[11], [12] 全自動血液凝固測定装置 CA-620, シスメックス株式会社

### 3.10.1.8 血液化学的検査

例数 : 血液学的検査と同一の各群 5 例。ただし、T4 濃度測定用試料の採取は

途中死亡例または安楽死例を除く全例実施し、主試験群の雄のみ測定を実施した。

- 時期 : 剖検時に採血した。
- 検査方法 : 夕刻からの一晩の絶食下 (16~20 時間) でラットをイソフルラン麻酔し、腹部大動脈より採血した。検査項目のうち [1], [5] については血液 1 mLあたりヘパリンナトリウム (ヘパリンナトリウム注N「AY」, 1000 単位/mL, エイワイファーマ株式会社) 約 20 単位で処理後、遠心分離 (約 2000 × g, 10 分, 4°C) して得られた血漿を用いて検査した。他の項目については分離剤入り試験管 (セパクリーン A, 栄研化学株式会社) に血液を採取し、遠心分離 (約 2000 × g, 10 分, 4°C) して得られた血清を用いて検査した。主試験群の雌の血清および血漿は、採取後凍結保存 (-80°C 設定) し、測定時に融解して用いた。また、得られた血清の一部をホルモン測定用として、ポリプロピレン製チューブ 4 本に約 150 µL ずつ分注して凍結保存 (-80°C 設定) し、主試験群の雄について測定時に融解して [21] の項目に用いた。主試験群の雄および生後 13 日の新生児の測定の結果、被験物質投与に関連する変化は認められなかったことから、主試験群の雌およびサテライト群の雌雄の動物の T4 濃度測定は行わなかった。検査終了後、ホルモン測定用血清は -60°C 以下で、その他の血漿および血清は -20°C 以下で凍結保存し、試験終了日までに廃棄した。

検査項目および検査方法 :

[1]	AST	JSCC 法
[2]	ALT	JSCC 法
[3]	アルカリホスファターゼ (ALP)	JSCC 法
[4]	γ-GTP	L-γ-グルタミル-3-カルボキシ-4-ニトロアニリド基質法
[5]	グルコース (Glucose)	ヘキソキナーゼ法
[6]	総コレステロール (T-Chol)	酵素法
[7]	トリグリセリド (TG)	遊離グリセロール消去法
[8]	総ビリルビン (T-Bil)	酵素法
[9]	総胆汁酸 (TBA)	酵素サイクリング法
[10]	尿素窒素 (UN)	ウレアーゼ・LED 法
[11]	クレアチニン (Crea)	酵素法
[12]	ナトリウム (Na)	イオン選択電極 (ISE) 法
[13]	カリウム (K)	イオン選択電極 (ISE) 法
[14]	クロール (Cl)	イオン選択電極 (ISE) 法

[15] カルシウム (Ca)	OCPC 法
[16] 無機リン (IP)	Fiske-Subba Row 法
[17] 総蛋白 (TP)	ビウレット法
[18] A/G 比 (A/G ratio)	蛋白分画より算出
[19] アルブミン (Albumin)	総蛋白と蛋白分画より算出
[20] 蛋白分画 (Protein fraction)	アガロースゲル電気泳動法
1 アルブミン (Albumin, %)	
2 $\alpha_1$ -グロブリン ( $\alpha_1$ -G, %)	
3 $\alpha_2$ -グロブリン ( $\alpha_2$ -G, %)	
4 $\beta$ -グロブリン ( $\beta$ -G, %)	
5 $\gamma$ -グロブリン ( $\gamma$ -G, %)	
[21] 甲状腺ホルモン (T4)	ELISA 法 (測定回数 : n=2)

[1] ~ [17] 自動分析装置 7180 形, 株式会社日立ハイテクノロジーズ

[18], [20] 全自動電気泳動分析装置エパライザ 2 ジュニア, 株式会社ヘレナ研究所

[21] マイクロプレートリーダ SH-1200, コロナ電気株式会社

### 3.10.1.9 病理検査

#### 3.10.1.9.1 剖検

例数	: 全例
時期	: 主試験群の雄およびサテライト群の雌 (投与終了時剖検例) は投与 28 日の翌日, 主試験群の雌は分娩後 14 日, サテライト群の雄および雌 (回復終了時剖検例) は回復 14 日の翌日に剖検した. ただし, 死亡例は発見後速やかに, 衰弱例は安楽死させた日に, 妊娠 25 日まで分娩が認められない交尾成立例は妊娠 26 日に剖検した.
検査方法	: 体外表を観察し, イソフルラン麻酔下で, 腹部大動脈より採血後, 放血により安楽死させ, 全身の器官・組織を肉眼的に観察した. 主試験群の雌では, 着床数を数えた. 以下の器官・組織を 10% 中性緩衝ホルマリン液に固定・保存した. 肺については, 気管から固定液を注入後固定した. ただし, 眼球およびハーダー腺はデビッドソン液で固定・保存し, 精巣および精巣上体はブアン液で固定, 70% エタノールに保存した. 左右のある器官については, 左右とも固定・保存した.
性周期の確認	: サテライト群の雌の全例および死亡例を除く主試験群の全例について剖検日の剖検前に膣垢を採取し, ギムザ染色を施して, 光学顕微鏡下で観察して性周期段階を確認した. このデータは器官重量または病理組織学的評価の補助とした.
器官・組織名	: 脳 (大脳, 小脳および脳橋), 脊髄, 下垂体, 胸腺, 甲状腺, 上皮小体,

副腎、脾臓、心臓、食道、胃、肝臓、肺臓、頸下腺、十二指腸、空腸、回腸（パイエル板を含む）、盲腸、結腸、直腸、気管、肺および気管支、腎臓、膀胱、精巢、精巢上体、前立腺、精囊（凝固腺含む）、卵巣、子宮（角部および頸部）、膿、眼球およびハーダー腺、乳腺（右腹部）、大腿骨（骨髓を含む、右）、腸間膜リンパ節、下頸リンパ節、骨格筋（大腿二頭筋、右）、坐骨神経（右）および肉眼的異常部位（正常組織との境界部含む）。

### 3.10.1.9.2 器官重量測定

- 例数 : 途中死亡例および安楽死例を除く全例
- 時期 : 剖検時
- 測定方法 : 電子式上皿天秤（GR-200、株式会社 エー・アンド・ディ）を用いて、以下の器官の重量を測定した。左右のある器官は左右合せて測定した。ただし、甲状腺、下垂体および精囊は固定後に測定した。
- 器官・組織名 : 脳、心臓、肝臓、腎臓、精巢、精巢上体、精囊（凝固腺含む）；以上（g）  
下垂体、甲状腺（上皮小体含む）、脾臓、胸腺、副腎、前立腺、卵巣、子宮；以上（mg）
- 相対重量の算出 : 絶対重量と剖検日に測定した体重から相対重量を算出した。  
相対重量（g/100 g または mg/100 g）  
$$=[\text{絶対重量 (g または mg)} / \text{剖検日体重 (g)}] \times 100$$

### 3.10.1.9.3 病理組織学的検査

- 例数 : 主試験群の雌雄およびサテライト群の雌（投与終了時剖検例）は、剖検時に固定・保存した対照群および高用量群の全器官・組織について標本作製を実施し、全例について鏡検した。鏡検の結果、高用量群の雄の腎臓に被験物質投与に関連する変化として近位尿細管上皮の好酸性小体の発生頻度の増加が認められたことから、低用量および中用量群の雄全例の腎臓の検査を実施した。回復終了時剖検例については、雄の腎臓のみ検査を実施した。また、低および中用量群では、妊娠 25 日まで分娩が認められず妊娠 26 日に剖検した妊娠例（動物番号 50253）、不妊例（動物番号 50359）および瀕死のため安楽死させた例（動物番号 50260）の全器官・組織ならびに剖検時にみられた肉眼的異常部位（動物番号 50262 および 50451 の皮下腫瘍）についても鏡検した。

検査方法 : パラフィン包埋後薄切し、ヘマトキシリン・エオジン染色標本を作製して鏡検した。雄の腎臓では、近位尿細管上皮の好酸性小体を同定するべく、代表例 [300 mg/kg 群の 1 例 (動物番号 10404)] について  $\alpha$ 2u-グロブリン抗体を用いた免疫染色標本を作製して鏡検した。

### 3.10.2 生殖発生毒性

#### 3.10.2.1 性周期検査

例数 : 主試験群の雌の全例  
 期間 : 投与開始日から交尾成立まで。  
 方法 : ギムザ染色による膣垢塗抹標本を作製し、光学顕微鏡下で性周期段階を観察した。  
 判定 : 性周期の各段階 (発情前期、発情期、発情後期および発情間期) を 4 日から 6 日の間隔で繰り返すものを正常と判定した。  
 算出 : 投与 1 日から投与 14 日までの 14 日間にについて発情期間隔、発情回数および性周期異常の動物数を算出した。

#### 3.10.2.2 生殖能検査

例数 : 主試験群の雌雄の全例  
 交配組み合せ : 同一群の雌雄を、雌の動物番号末尾 2 桁が雄の動物番号末尾 2 桁に 50 を足したものとなるよう組み合わせた。  
 時期・方法 : 投与 14 日を交配開始日、交配開始日の翌日を交配 1 日とし、交配開始日の夕刻から、交配に組み合せた雌雄を、交尾が確認されるまで 14 日間を限度として連続同居させた。  
 交尾成立の確認方法 : 膣内または受皿上に落下した膣栓、あるいは膣垢スメア標本中の精子確認により判定した。いずれかが認められた日を妊娠 0 日とした。同居開始から交尾成立までの所要日数を計数した。同居開始後 10 日までに全例の交尾が確認された。  
 次式から群毎に交尾率を算出した。  

$$\text{雄の交尾率 (\%)} = (\text{交尾成立雄数} / \text{同居させた雄数}) \times 100$$

$$\text{雌の交尾率 (\%)} = (\text{交尾成立雌数} / \text{同居させた雌数}) \times 100$$
  
 受胎能 : 妊娠の確認を分娩の有無および剖検時に子宮内の着床痕の有無により行った。動物番号 50359 については、剖検時に子宮内の着床痕が確認されなかつたため不妊と判断した。

次式から群毎に受胎率を算出した.

$$\text{雄の受胎率 (\%)} = (\text{雌を妊娠させた雄数} / \text{交尾成立雄数}) \times 100$$

$$\text{雌の受胎率 (\%)} = (\text{妊娠雌数} / \text{交尾成立雌数}) \times 100$$

### 3.10.2.3 分娩および哺育状態観察

例数	: 交尾成立した雌の全例
分娩観察	: 交尾が確認された雌動物の全例について、分娩状態を妊娠 21 日から 25 日まで、毎日少なくとも 3 回 (9 : 00, 13 : 00 および 17 : 00) 観察した。妊娠動物は全例自然分娩させた。
分娩終了の確認	: 9 : 00 に母動物が児を巣の中に集めて腹の下に抱え込んでいるのが観察された場合に分娩終了とし、その日を哺育 0 日（生後 0 日）とした。
出産率	: 1 匹以上の生存児を出産したものを正常出産とした。生存児を出産したものであっても、難産などの分娩異常がみられる場合や分娩終了の確認ができない場合には異常出産とした。次式から群毎に出産率を算出した。
	出産率 (\%) = (正常出産雌数 / 妊娠雌数) × 100
妊娠期間の算出	: 妊娠 0 日から哺育 0 日までの期間を日数で表わした。
出産児の観察	: 生後 0 日のすべての出産児について生死を確認し、外表を観察した。腹毎に生存児数と死亡児数とを計数し、それらの合計を出産児数とした。次式から腹毎に出生率および生存児の外表異常児出現率を算出した。
	出生率 (\%) = (生後 0 日の生存児数 / 着床数) × 100
	外表異常児出現率 (\%) = (外表異常児数 / 出産生児数) × 100
	外表異常児を持つ腹の頻度 = 外表異常児を持つ腹数 / 出産動物数
出産児の性比の算出	: 生後 0 日に個々の児動物の性を肛門と生殖突起の間の長さで判定した。死亡児を含めない生後 0 日の生存児を対象として群毎に以下を算出した。
	生存出産児の性比 (\%) = (雄生存出産児数 / 生存出産児数) × 100

### 3.10.2.4 哺育児数の調整

例数	: 全腹
時期	: 生後 4 日
調整方法	: 各腹の哺育児数が 8 匹となるように雌雄別に無作為に選抜した。選抜

する哺育児の数は原則として雌雄同数としたが、1腹の雄または雌の哺育児数が4匹未満の場合は総数が8匹となるよう(例えば雄3匹、雌5匹)に調整した。選抜されなかった哺育児は、採血する動物は断頭で、その他の動物はペントバルビタールナトリウムの腹腔内投与により安楽死させた。

#### 3.10.2.5 新生児の一般状態観察

- 例数 : 全例  
 頻度 : 1回／日  
 期間 : 生後0日から生後13日(剖検日)まで  
 観察方法 : 生存または死亡の確認、一般状態を観察した。  
                   死亡例は発見後速やかに剖検し、Whole bodyを10%中性緩衝ホルマリン液で固定・保存した。  
                   なお、分娩中に死亡または安楽死させた腹の出産生存児および子宮内生存胎児は、ペントバルビタールナトリウムの腹腔内投与により安楽死させた(6項参照)。
- 新生児生存率の算出 : 生後0、4および13日の新生児生存率を次式から腹毎に算出した。  
                   生後0日生存率(%) = (生後0日生存児数 / 出産児数) × 100  
                   生後4日生存率(%)  
                   = (生後4日生存児数 / 生後0日生存児数) × 100  
                   生後13日生存率(%)  
                   = (生後13日生存児数 / 生後4日に選抜した児数) × 100

#### 3.10.2.6 新生児の体重測定

- 例数 : 生存児全例  
 時期 : 生後0、4、7および13日  
 測定方法 : 電子式上皿天秤(GX-2000、株式会社エー・アンド・デイ)を用いて個体別に測定し、0.1gまで記録した。雌雄別に腹あたりの平均体重を求めた。

#### 3.10.2.7 新生児の肛門生殖突起間距離

- 例数 : 生存児全例  
 時期 : 生後4日  
 測定方法 : 個体別に肛門と生殖突起の間の長さを計測して記録した。雌雄別に腹

あたりの平均肛門生殖突起間距離を求めた。加えて、腹の平均肛門生殖突起間距離を平均体重の立方根で除した値を求めた。

### 3.10.2.8 新生児の乳頭数

例数	: 雄生存児全例
時期	: 生後 13 日
計数方法	: 個々の新生児の乳頭数を計数した。腹あたりの平均乳頭数を求めた。

### 3.10.2.9 新生児の血清 T4 濃度測定

例数	: 各腹の生存児 2 例
時期	: 生後 4 日 (選抜されなかった哺育児) および生後 13 日
血清採取	: 腹毎に生存児を断頭により安楽死させ、遠沈管に血液を採取してプールし、遠心分離 (約 $2000 \times g$ , 10 分, 4°C) して血清を得た。採取した血清は、ポリプロピレン製チューブ 2 本に約 50 $\mu L$ ずつ (生後 4 日) または 4 本に約 100 $\mu L$ ずつ (生後 13 日) 分注して凍結保存 (-80°C 設定) し、測定時に融解して用いた。検査終了後の血清は、凍結保存 (-80°C 設定) し、試験終了日までに廃棄した。
測定方法	: ELISA 法で、生後 13 日の新生児の血清について T4 濃度を測定した (n=2)。主試験群の雄および生後 13 日の新生児の測定の結果、被験物質投与に関連する変化は認められなかったことから、生後 4 日の新生児の T4 濃度測定は行わなかった。

### 3.10.2.10 新生児の剖検

時期	: 生後 13 日
例数	: 全例
検査方法	: 体外表 (口腔内を含む) を観察し、採血する動物は断頭で、その他の動物についてはペントバルビタールナトリウムの腹腔内投与により安楽死させ、全身の器官・組織を肉眼的に観察した。各腹雌雄 1 例について、甲状腺を 10% 中性緩衝ホルマリンに固定・保存した。

## 3.11 統計学的方法

コンピュータシステム (MiTOX) を用いて実施した。

主試験群における握力 (3 回の平均), 自発運動量, 体重, 体重増加量, 摂餌量, 尿量, 血液学的検査, 血液化学的検査 (T4 濃度を除く), 器官の絶対重量および相対重量, 発情期間隔,

発情回数, 交尾所要日数および着床数, 出産児数, 出産時の生存児数および死亡児数, 出生率, 妊娠期間および新生児の生後 4 日の生存率, 生後 0 および 4 日の雌雄別体重, 外表異常児出現率の成績について群平均および標準偏差を算出し, Bartlett の検定法を行い, 等分散性を解析した. 等分散 ( $p \geq 0.05$ ) の場合は一元配置分散分析法で解析し, 不等分散 ( $p < 0.05$ ) の場合は Kruskal-Wallis の検定法で解析した. 一元配置分散分析の結果, 有意差がみられた場合 ( $p < 0.1$ ) は Dunnett の検定法を用いて対照群と比較した. Kruskal-Wallis 法の解析の結果, 有意差がみられた場合 ( $p < 0.1$ ) は Steel の検定法を用いて対照群と比較した. ただし, T4 濃度ならびに新生児の生後 0 日および 13 日の生存率, 生後 7 および 13 日の雌雄別体重, 肛門生殖突起間距離および乳頭数は, 別途統計解析システム(三研システム株式会社)を用いて上記と同様の検定を実施した. なお, 新生児の雌雄別体重, 外表異常児出現率, 生存率, 肛門生殖突起間距離および乳頭数については, 1 腹を標本単位として処理した.

主試験群における詳細な状態観察, 刺激に対する感覚運動反応, 尿量を除く尿検査の成績について, Kruskal-Wallis の検定法で解析し, 有意差がみられた場合 ( $p < 0.1$ ) は Steel の検定法を用いて対照群と比較した.

性周期の異常の発現率, 交尾率, 受胎率, 出産率, 生後 0 日の生存児の性比および外表異常児を持つ腹の頻度ならびに病理組織学的検査(主試験群およびサテライト群)については, Fisher の正確確率検定法を用いた.

サテライト群における握力(3 回の平均), 自発運動量, 体重, 体重増加量, 摂餌量, 尿量, 血液学的検査, 血液化学的検査, 器官の絶対重量および相対重量の成績について, 群平均および標準偏差を算出し, F 検定により等分散性を解析した. 等分散 ( $p \geq 0.05$ ) の場合は Student の t 検定, 不等分散 ( $p < 0.05$ ) の場合は Welch の検定を用いて対照群と比較した.

サテライト群における詳細な状態観察, 刺激に対する感覚運動反応, 尿量を除く尿検査の成績について, Wilcoxon の順位和検定を用いて対照群と比較した.

主試験群の雌で不妊が確認された動物については, 妊娠期間の体重, 体重増加量および摂餌量, 器官重量および病理組織学的検査のデータを統計検定から除外した. 妊娠 25 日まで分娩が認められず妊娠 26 日に剖検した妊娠動物については, 器官重量および病理組織学的検査のデータを統計検定から除外した. 分娩中に死亡した動物および安楽死させた動物については, 病理組織学的検査のデータを統計検定から除外した.

対照群との比較検定については, 5%未満を有意とした.

### 3.12 コンピュータシステムの利用

以下に示すデータの収集には MiTOX を使用した.

オンラインデータ ; 親動物の一般状態, 詳細な状態観察, 機能検査(刺激に対する感覚

運動反応, 握力), 体重, 摂餌量, 血液学的検査 (PT, APTT を除く), 血液化学的検査 (T4 濃度を除く), 器官重量, 病理組織学的検査, 新生児の体重 (生後 0 および 4 日)

オフラインデータ ; 機能検査 (自発運動量), 尿検査, 血液学的検査 (PT, APTT), 性周期検査, 生殖能検査, 着床数, 生存児数, 死亡児数, 親動物の剖検, 新生児の一般状態 (生後 4 日まで), 外表異常および性別

コンピュータプロトコールには, データ収集の項目, 日程等を登録した.

## 4 成績

### 4.1 反復投与毒性

#### 4.1.1 一般状態

一般状態の成績を Table 1-1 ~ 1-9, Appendix 1-1 ~ 1-28 に示す.

##### [投与期間]

###### (1) 雄 : 主試験群

対照群, 30 mg/kg 群では, いずれの動物にも異常は認められなかった. 300 mg/kg 群では, 投与 6 日に 3 例, 投与 7 日に 5 例, 投与 8 日以降剖検日まで全例に着色尿 (赤褐色) がみられた. また, 投与 17 日に外尿道口周囲被毛汚染が 2 例にみられ, 1 例は剖検日まで継続してみられた. 100 mg/kg 群では, 投与 22~28 日に上切歯破折が 1 例にみられた.

###### (2) 雌 : 主試験群

対照群では, 1 例 (動物番号 50159) が妊娠 22 日の分娩中に死亡した. 30 mg/kg 群では, 1 例 (動物番号 50260) が妊娠 22 日の分娩中に呼吸促迫および体温低下を示したため瀕死と判断して安楽死させた. これらは難産に起因すると判断されたが, 100 および 300 mg/kg 群では, 同様の変化あるいは死亡または瀕死の動物は認められなかったことから, 被験物質投与と関連のない変化と考えられた.

その他に, 100 mg/kg 群では, 投与 1~6 日に上切歯破折が 1 例にみられた. 30 および 300 mg/kg 群では, 妊娠・哺育期間中に皮下腫瘍が各 1 例にみられた.

###### (3) 雌 : サテライト群 (非交配群)

対照群および 300 mg/kg 群の動物には異常は認められなかった.

##### [回復期間]

###### (1) 雄 : サテライト群

対照群の動物には異常は認められなかった. 300 mg/kg 群では, 回復 1 日のみ全例に着色尿 (赤褐色) がみられた.

## (2) 雌：サテライト群（非交配群）

対照群および 300 mg/kg 群の動物には異常は認められなかった。

## 4.1.2 詳細な状態観察

詳細な状態観察の成績を、Table 2-1 ~ 2-6, Appendix 2-1 ~ 2-70 (ケージの外から), Table 3-1 ~ 3-6, Appendix 3-1 ~ 3-70 (ケージから取り出す時) および Table 4-1 ~ 4-6, Appendix 4-1 ~ 4-70 (オープンフィールド内) にそれぞれ示す。

## [投与期間]

## (1) 雄：主試験群

30 および 100 mg/kg 群では、いずれの検査項目にも対照群と比較して有意な差は認められなかった。300 mg/kg 群では、投与 7 日の検査での排尿回数に有意な低値がみられたが、一過性の変化であったことから、被験物質投与との関連はないと考えられた。

## (2) 雌：主試験群

いずれの項目にも被験物質投与群と対照群の間に有意な差は認められなかった。

## (3) 雌：サテライト群（非交配群）

300 mg/kg 群では、いずれの項目にも対照群と比較して有意な差は認められなかった。

## [回復期間]

## (1) 雄：サテライト群

300 mg/kg 群では、いずれの項目にも対照群と比較して有意な差は認められなかった。

## (2) 雌：サテライト群（非交配群）

300 mg/kg 群では、いずれの項目にも対照群と比較して有意な差は認められなかった。

## 4.1.3 機能検査

刺激に対する感覚運動反応の成績を Table 5-1 ~ 5-3, Appendix 5-1 ~ 5-10, 握力の成績を Table 6-1 ~ 6-4, Appendix 6-1 ~ 6-12, 自発運動量の成績を Table 7-1 ~ 7-3, Appendix 7-1 ~ 7-10 に示す。

## [投与期間]

## (1) 雄：主試験群（投与 4 週）

いずれの検査項目にも被験物質投与群と対照群の間に有意な差は認められなかった。

## (2) 雌：主試験群（哺育 13 日）

いずれの検査項目にも被験物質投与群と対照群の間に有意な差は認められなかった。

## (3) 雌：サテライト群（非交配群、投与 4 週）

300 mg/kg 群では、前肢の握力に対照群と比較して有意な低値が認められた。

#### [回復期間]

##### (1) 雌：サテライト群

300 mg/kg 群では、握力に対照群と比較して有意な差は認められなかった。

#### 4.1.4 体重

体重を Figure 1-1 ~ 1-3, Table 8-1 ~ 8-7, Appendix 8-1 ~ 8-22 に示す。

#### [投与期間]

##### (1) 雄：主試験群

30 および 100 mg/kg 群では、体重および体重増加量に対照群と比較して有意な差は認められなかった。300 mg/kg 群では、投与 7 日の体重に低値傾向、投与 14 日～28 日に有意な低値が認められた。同群では、投与期間中の体重増加量も有意な低値であった。

##### (2) 雌：主試験群

30 および 100 mg/kg 群では、交配前期間、妊娠期間および哺育期間の体重および体重増加量に、対照群と比較して有意な差は認められなかった。300 mg/kg 群では、交配前期間には有意な差は認められなかった。妊娠 14 および 20 日の体重には、統計学的に有意な差はなかったが低値傾向がみられた。同群では、妊娠期間中の体重増加量にも低値傾向が認められた。哺育期間の体重には、有意な差はなかったが低値傾向がみられた。

##### (3) 雌：サテライト群（非交配群）

300 mg/kg 群では、投与 28 日の体重に、対照群と比較して有意な低値がみられ、投与期間中の体重増加量も有意な低値であった。

#### [回復期間]

##### (1) 雄：サテライト群

300 mg/kg 群では、体重に回復期間を通じて対照群と比較して有意な低値がみられた。しかし、回復期間中の体重増加量は対照群とほぼ同じであった。

##### (2) 雌：サテライト群（非交配群）

300 mg/kg 群では、体重および体重増加量に対照群と比較して有意な差は認められなかった。

#### 4.1.5 摂餌量

摂餌量を Figure 2-1 ~ 2-3, Table 9-1 ~ 9-7, Appendix 9-1 ~ 9-22 に示す。

#### [投与期間]

##### (1) 雄：主試験群

30 および 100 mg/kg 群では、摂餌量に対照群と比較して有意な差は認められなかった。300 mg/kg 群では、投与 4, 7, 14 および 28 日の摂餌量に、対照群と比較して有意な低値が認めら

れた。

(2) 雌：主試験群

30 および 100 mg/kg 群では、摂餌量に对照群と比較して有意な差は認められなかった。300 mg/kg 群では、交配前期間の摂餌量に有意な差は認められなかった。妊娠期間および哺育 4 および 7 日には、統計学的に有意な差はなかったが低値傾向がみられた。

(3) 雌：サテライト群（非交配群）

300 mg/kg 群では、投与 21 日の摂餌量に对照群と比較して有意な低値がみられた。投与 28 日には、統計学的に有意な差はなかったが低値傾向がみられた。

[回復期間]

(1) 雄：サテライト群

300 mg/kg 群では、摂餌量に对照群と比較して有意な差は認められなかった。

(2) 雌：サテライト群（非交配群）

300 mg/kg 群では、回復 7 日の摂餌量に对照群と比較して有意な低値がみられた。回復 14 日には低値傾向であったものの統計学的に有意な差は認められなかった。

#### 4.1.6 尿検査

尿検査の成績を Table 10-1 ~ 10-21, Appendix 10-1 ~ 10-30 に示す。

[投与 4 週]

(1) 雄：主試験群

30 mg/kg 群では、いずれの項目にも对照群と比較して有意な差は認められなかった。100 および 300 mg/kg 群では、尿量に有意な高値、比重に有意な低値が認められた。

(2) 雌：サテライト群（非交配群）

300 mg/kg 群では、いずれの項目にも对照群と比較して有意な差は認められなかった。

[回復 2 週]

(1) 雄：サテライト群

300 mg/kg 群では、いずれの項目にも对照群と比較して有意な差は認められなかった。

(2) 雌：サテライト群（非交配群）

300 mg/kg 群では、いずれの項目にも对照群と比較して有意な差は認められなかった。

#### 4.1.7 血液学的検査

血液学的検査の成績を Table 11-1 ~ 11-5, Appendix 11-1 ~ 11-14 に示す。

[投与期間終了時]

(1) 雄：主試験群

30 および 100 mg/kg 群では、いずれの項目にも対照群と比較して有意な差は認められなかつた。300 mg/kg 群では、Platelet の顕著な低値が 2 例（動物番号 10402 および 10405）にみられた。動物番号 10405 ではさらに、Reticulocyte にも顕著な低値が、RBC, HGB および HCT に低値傾向がみられた。しかし、これらの項目の群平均には、対照群と比較して有意な差は認められなかつた。その他の項目には被験物質投与と関連する変化は認められなかつた。

#### (2) 雌：主試験群

30 mg/kg 群では、Neutrophil に対照群と比較して有意な低値がみられたが、用量に依存しない変化であった。100 mg/kg 群では、いずれの項目にも対照群と比較して有意な差は認められなかつた。300 mg/kg 群では、Reticulocyte に有意な高値がみられた。

#### (3) 雌：サテライト群（非交配群）

300 mg/kg 群では、HCT, WBC, Neutrophil, Lymphocyte, Monocyte および Eosinophil に対照群と比較して有意な低値がみられた。これらの変化のうち HCT については、RBC や HGB 等の関連項目に変化がみられないこと、個々の値は試験施設の背景データ（平均値±SD, 42.62±1.66%；最小値～最大値, 39.1～46.4%；例数, 40；試験期間：2017～2019 年<sup>5)</sup> の範囲内または近傍であることから、被験物質投与と関連のない変化と考えられた。

#### [回復期間終了時]

##### (1) 雄：サテライト群

300 mg/kg 群では、いずれの項目にも対照群と比較して有意な差は認められなかつた。

##### (2) 雌：サテライト群（非交配群）

300 mg/kg 群では、対照群と比較して Platelet に有意な高値がみられたが、投与期間終了時にはみられない変化であり、個々の値は試験施設の背景データ（平均値±SD, 110.16±14.12 × 10<sup>4</sup>/μL；最小値～最大値, 83.5～139.1 × 10<sup>4</sup>/μL；例数, 40；試験期間, 2017～2019 年<sup>5)</sup> の範囲内または近傍であることから、被験物質投与との関連はないと考えられた。また、Neutrophil に有意な低値がみられたが、WBC の低値は認められないこと、個々の値は試験施設の背景データ（平均値±SD, 8.03±4.07 × 10<sup>2</sup>/μL；最小値～最大値, 3.0～25.2 × 10<sup>2</sup>/μL；例数, 40；試験期間：2017～2019 年<sup>5)</sup> の範囲内であることから、被験物質投与との関連はないと考えられた。

#### 4.1.8 血液化学的検査

血液化学的検査の成績を Table 12-1～12-7, Appendix 12-1～12-14 に示す。

#### [投与期間終了時]

##### (1) 雄：主試験群

30 mg/kg 群では、いずれの項目にも対照群と比較して有意な差は認められなかつた。100 mg/kg 群では、T-Bil に有意な低値がみられたが、高用量群では変化がみられないことから、被

験物質投与との関連はないと考えられた。300 mg/kg 群では、UN に対照群と比較して有意な高値がみられた。その他に、AST, ALT および Cl に有意な低値がみられたが、AST および ALT の低値は臨床的意義に乏しいこと、Cl については個々の値が試験施設の背景データ（平均値±SD, 104.9±1.2 mEq/L; 最小値～最大値, 103～108 mEq/L; 例数, 50; 試験期間, 2017～2019 年）<sup>5)</sup> の範囲内であることから、被験物質投与との関連はないと考えられた。

#### (2) 雌：主試験群

100 および 300 mg/kg 群では、いずれの項目にも対照群と比較して有意な差は認められなかった。30 mg/kg 群では、ALP に有意な低値がみられたが、用量に依存していない変化であることから、被験物質投与との関連はないと考えられた。

#### (3) 雌：サテライト群（非交配群）

300 mg/kg 群では、ALP に対照群と比較して有意な低値がみられたが、この項目の低値は臨床的意義に乏しいことから、毒性学的意義のない変化と考えられた。

#### [回復期間終了時]

##### (1) 雄：サテライト群

300 mg/kg 群では、T-Chol に有意な高値がみられたが、投与期間終了時にはみられない変化であり、個々の値は試験施設の背景データ（平均値±SD, 57.7±12.3 mg/dL; 最小値～最大値, 32～93 mg/dL; 例数, 50; 試験期間, 2017～2019 年）<sup>5)</sup> の範囲内であることから、被験物質投与との関連はないと考えられた。

##### (2) 雌：サテライト群（非交配群）

300 mg/kg 群では、ALP に対照群と比較して有意な低値がみられたが、この項目の低値は臨床的意義に乏しいことから、毒性学的意義のない変化と考えられた。また、Na の有意な高値がみられたが、投与期間終了時にはみられない変化であり、個々の値は試験施設の背景データ（平均値±SD, 143.4±1.2 mEq/L; 最小値～最大値, 140～146 mEq/L; 例数, 40; 試験期間, 2017～2019 年）<sup>5)</sup> の範囲内であることから、被験物質投与との関連はないと考えられた。

#### 4.1.9 血清 T4 濃度

血清 T4 濃度を Table 13, Appendix 13-1～13-4 に示す。

#### [投与期間終了時]

##### (1) 雄：主試験群

いずれの被験物質投与群においても、血清 T4 濃度に、対照群と比較して有意な差は認められなかった。

#### 4.1.10 病理検査

##### 4.1.10.1 剖検

剖検所見を Table 14-1 ~ 14-7, Appendix 14-1 ~ 14-16 に示す.

###### [投与期間終了時]

###### (1) 雄：主試験群

対照群、30 および 100 mg/kg 群では、異常所見は認められなかった。300 mg/kg 群では、脾臓の大型が血液学的検査で異常を示した 1 例（動物番号 10405）に認められた。

###### (2) 雌：主試験群

対照群および 100 mg/kg 群では、異常所見は認められなかった。30 および 300 mg/kg 群では、胸部皮膚に皮下腫瘍がそれぞれ 1 例にみられた。

妊娠 22 日に死亡した対照群の 1 例（動物番号 50159）では、異常所見は認められなかった。また、瀕死のため妊娠 22 日に安楽死させた 30 mg/kg 群の 1 例（動物番号 50260）では、子宮内に胎盤および生存胎児がうつ滞しており（右、着床 5, 胎盤・胎児なし；左、着床 11, 胎盤 11, 生存胎児 3），これらは難産に起因する変化と判断した。妊娠 25 日まで分娩が認められず妊娠 26 日に剖検した 30 mg/kg 群の 1 例（動物番号 50253）では、子宮内に胎盤および死亡胎児がうつ滞しており（右、着床 1, 胎盤 1, 死亡胎児 1；左、着床 1, 胎盤 1, 死亡胎児 1），異常出産と判断した。これらの変化は、中および高用量群では認められないことから、被験物質投与との関連性はないと考えられた。

###### (3) 雌：サテライト群（非交配群）

対照群および 300 mg/kg 群ともに異常所見は認められなかった。

###### [回復期間終了時]

###### (1) 雄：サテライト群

対照群および 300 mg/kg 群ともに異常所見は認められなかった。

###### (2) 雌：サテライト群（非交配群）

対照群および 300 mg/kg 群ともに異常所見は認められなかった。

#### 4.1.10.2 器官重量

器官重量を Table 15-1 ~ 15-7, Appendix 15-1 ~ 15-20 に示す。

###### [投与期間終了時]

###### (1) 雄：主試験群

30 mg/kg 群では、測定したいずれの器官にも対照群と比較して有意な差は認められなかった。100 mg/kg 群では、腎臓の相対重量に有意な高値がみられた。300 mg/kg 群では、剖検時体重が有意に低く、肝臓、腎臓、副腎および精巣の相対重量に有意な高値がみられた。胸腺では絶対

および相対重量に有意な低値がみられた、副腎および精巣の変化については、剖検時体重低値による二次的な変動と考えられた。

(2) 雌：主試験群

30 および 100 mg/kg 群では、測定したいずれの器官にも対照群と比較して有意な差は認められなかった。300 mg/kg 群では、肝臓の相対重量に有意な高値が認められた。その他の器官には、有意な差は認められなかった。

(3) 雌：サテライト群（非交配群）

300 mg/kg 群では、剖検時体重が有意に低く、肝臓、腎臓および脳の相対重量に有意な高値がみられた。脾臓では、絶対および相対重量に有意な低値がみられた、腎臓および脳の変化については、剖検時体重低値による二次的な変動と考えられた。

[回復期間終了時]

(1) 雄：サテライト群

300 mg/kg 群では、脳の相対重量に対照群と比較して有意な高値がみられたが、剖検時体重低値による二次的な変動と考えられた。その他の器官には、有意な差は認められなかった。

(2) 雌：サテライト群（非交配群）

300 mg/kg 群では、測定したいずれの器官重量にも、対照群と比較して有意な差は認められなかった。

#### 4.1.10.3 病理組織学的検査

病理組織学的所見を Table 16-1 ~ 16-21, Appendix 16-1 ~ 16-28 に示す。

[投与期間終了時]

(1) 雄：主試験群

全試験群を検査した腎臓では、近位尿細管上皮の好酸性小体が、被験物質投与群の全例（30 mg/kg 群、軽微 7 例、軽度 5 例；100 mg/kg 群、軽微 6 例、軽度 6 例；300 mg/kg 群、軽微 5 例、軽度 2 例）に認められ、発生頻度は有意な高値であった。この所見は、α2u-グロブリン抗体による免疫染色の結果陽性であった。その他に、限局性の尿細管好塩基性化が、対照群で 2/7 例（軽微 2 例）、30 mg/kg 群で 6/12 例（軽微 6 例）、100 mg/kg 群で 6/12 例（軽微 2 例、軽度 4 例）、300 mg/kg 群で 3/7 例（軽微 2 例、軽度 1 例）にみられた。また、対照、30 および 100 mg/kg 群に硝子円柱、100 mg/kg 群に尿細管拡張が各 1 例みられた。

300 mg/kg 群におけるその他の器官では、前立腺に間質の炎症（軽微 3 例）、甲状腺に濾胞細胞腺腫 1 例、濾胞細胞肥大（軽度 1 例）がみられた。また、動物番号 10405 では、顆粒球性白血病を裏付ける骨髄変化、肝臓に類洞への腫瘍細胞浸潤/転移、脾臓に赤脾髄への腫瘍細胞浸潤/転移、胸腺に腫瘍細胞浸潤/転移が認められ、肉眼所見および血液学的所見を裏付ける変化

であった。しかし、これらは1例のみの発現あるいは対照群または試験施設の背景データ<sup>6)</sup>に認められる所見であり、発現頻度の増加もみられないことから、被験物質投与と関連のない変化と考えられた。

対照群のみの所見として、心臓に限局性の炎症性細胞浸潤（軽微）、精巣にセルトリ精細管（軽微/軽度）、眼球に網膜異形成（軽微）、ハーダー腺に限局性の炎症性細胞浸潤（軽微）が散見された。

#### (2) 雌：主試験群

300 mg/kg 群では、肺に肺胞マクロファージ集簇（軽微）、肝臓に限局性線維化（軽微）、胸腺に上皮遺残（軽微）、甲状腺に鰓後体遺残（軽微）、眼球に網膜異形成（軽微）が散見された。しかし、対照群または試験施設の背景データ<sup>6)</sup>に認められる所見であり、発現頻度の増加もみられないことから、被験物質投与と関連のない変化と考えられた。

30 および 300 mg/kg 群では、皮下腫瘍の肉眼所見に対応して、腺癌がみられた。分娩中に死亡あるいは妊娠 22 または 26 日に安楽死させた動物には、腎臓に皮質の尿細管壊死（軽度または中等度）、子宮角部に炎症性細胞浸潤（軽度）、甲状腺に鰓後体遺残（軽微）あるいは眼球に網膜異形成（軽微）がみられたが、子宮内の死亡胎児に関連する変化または自然発生性の変化と考えられた。100 mg/kg 群における不妊例では、下垂体に中間葉囊胞（中等度）、眼球に網膜異形成（軽微）がみられた。

対照群のみの所見として、肺に限局性の出血（軽微）、肝臓に限局性壊死（軽微）、腎臓に囊胞（軽微）、髄質の鉱質沈着（軽微）、下垂体に前葉囊胞（軽度）が散見された。

#### (3) 雌：サテライト群（非交配群）

300 mg/kg 群では、肝臓に小葉周辺性肝細胞空胞化（軽度）、甲状腺に鰓後体遺残（軽微）、が各1例にみられたが、対照群または試験施設の背景データ<sup>6)</sup>に認められる所見であり、発生頻度の増加はみられないことから、被験物質投与と関連のない変化と考えられた。

対照群のみの所見として、卵巣に黄体囊胞（軽度）、眼球に網膜異形成（軽微）、ハーダー腺に限局性の炎症性細胞浸潤（軽微）が散見された。

#### [回復期間終了時]

##### (1) 雄：サテライト群

300 mg/kg 群の腎臓では、好酸性小体は認められず、限局性の尿細管好塩基性化が 5/5 例（軽微 4 例、軽度 1 例）に認められ、発生頻度は有意な高値であった。なお、対照群のみの所見として、硝子円柱（軽微）が 1 例にみられた。

## 4.2 生殖発生毒性

### 4.2.1 性周期検査

性周期検査の成績を Table 17, Appendix 17-1 ~ 17-8 に示す.

交配前 14 日間の性周期観察において、性周期の異常の発現率、発情期間隔および発情回数には被験物質投与群と対照群の間に有意な差は認められなかった.

### 4.2.2 生殖能検査

生殖能検査の成績を Table 18-1 および 18-2, Appendix 18-1 ~ 18-8 に示す.

交尾率、受胎率および交尾所要日数には、被験物質投与群と対照群の間に有意な差は認められなかった.

### 4.2.3 分娩および哺育状態観察

分娩および哺育状態観察の成績を Table 19-1 および 19-2, Appendix 19-1 ~ 19-8 に示す.

30 mg/kg 群で分娩中に瀕死のため安楽死させた動物と、子宮内に死亡胎児がうっ滞していた動物が各 1 例にみられたが、100 および 300 mg/kg 群では認められない変化であることから、被験物質投与と関連性はないと考えられた.

着床数、出生率、妊娠期間、出産率、出産児数、出産時の生存児数および死亡児数、ならびに性比には、いずれの被験物質投与群においても対照群と比較して有意な差は認められなかつた。また、いずれの出産生児にも外表異常は認められなかった。

### 4.2.4 新生児の一般状態および生存率

新生児の一般状態および生存率の成績を Table 20 および 21, Appendix 20-1 ~ 20-16 および 21-1 ~ 21-4 に示す.

生後 0 日から 13 日の一般状態に、対照群の 1 例に外傷がみられたことを除き、いずれの試験群においても異常は認められなかった。生後 0 日、4 日および 13 日の生存率には、被験物質投与群と対照群の間に有意な差は認められなかった。

### 4.2.5 新生児の体重

新生児の体重を Figure 3, Table 22, Appendix 22-1 ~ 22-4 に示す.

生後 0 日、4 日、7 日および 13 日の体重には、雌雄とも被験物質投与群と対照群の間に有意な差は認められなかった。

### 4.2.6 新生児の肛門生殖突起間距離

新生児の肛門生殖突起間距離を Table 23, Appendix 23-1 ~ 23-4 に示す.

生後 4 日の肛門生殖突起間距離および体重の立方根で除した値には、雌雄とも被験物質投与

群と対照群の間に有意な差は認められなかった。

#### 4.2.7 新生児の乳頭数

新生児の乳頭数を Table 24, Appendix 24-1 ~ 24-4 に示す。

乳頭は、生後 13 日の雄新生児のいずれにも観察されなかった。

#### 4.2.8 新生児の血清 T4 濃度

生後 13 日の新生児の血清 T4 濃度を Table 25, Appendix 25-1 ~ 25-4 に示す。

生後 13 日の血清 T4 濃度には、雌雄とも被験物質投与群と対照群の間に有意な差は認められなかった。

#### 4.2.9 新生児の剖検

新生児の剖検所見を Table 26, Appendix 26-1 ~ 26-4 に示す。

生後 13 日の生存児の剖検では、いずれの被験物質投与群にも異常は認められなかった。

生後 0-4 日の間に発見された死亡児では、いずれの動物にも異常は認められなかった。

### 5 考察

#### 5.1 反復投与毒性

30 および 100 mg/kg 群では、雄の腎臓に関する項目を除き、一般状態、詳細な状態観察、機能検査、尿検査、体重、体重増加量、摂餌量、血液学的検査、血液化学的検査、T4 濃度、器官重量、剖検および病理組織学的検査の各検査項目に、被験物質投与に関連する変化はみられなかった。

300 mg/kg 群では、投与期間中の一般状態の変化として、雄の全例に着色尿、2 例に外尿道口周囲被毛汚染がみられた。体重、体重増加量および摂餌量では、雄で投与期間を通じて、主試験群の雌では妊娠および哺育期間に、非交配群の雌では投与 21 または 28 日に有意な低値または低値傾向が認められ、被験物質投与の影響と考えられた。その他に、主試験群の雌で Reticulocyte に高値がみられたが、他の血液学的検査項目に変化はなく、脾臓および骨髄の病理組織学的検査においても異常は認められないことから、この変化の毒性学的意義は明確ではなかった。非交配群の雌では前肢の握力に低値がみられ、体重の低値に伴う変化と考えられた。また、血液学的検査で WBC および白血球分画の低値ならびに脾臓の絶対および相対重量の低値が認められたが、リンパ系または造血系器官に病理組織学的異常はみられず、雄や主試験群の雌では同様の変化は認められなかったことから、これらの変化の毒性学的意義は明確ではなかった。器官重量では、雄、主試験群の雌ならびに非交配群の雌で、肝臓の相対重量に高値がみられたが、病理組織学的異常は認められないことと、血液化学的検査で逸脱酵素に異常がみ

られないことから、適応性変化と考えられた。加えて雄で胸腺の絶対および相対重量の低値がみられ、病理組織学的異常は認められなかつたが、体重および摂餌量が投与期間を通じて抑制されたことによるストレスに起因する変化と考えられた。

雄の腎臓の病理組織学的検査において、被験物質投与群の全例で近位尿細管上皮の好酸性小体の発生頻度が増加し、被験物質投与に関連した変化と考えられた。この所見は、 $\alpha$ 2u-グロブリン抗体による免疫染色を施した結果陽性であったことから、 $\alpha$ 2u-グロブリン腎症と判断された。しかし、 $\alpha$ 2u-グロブリン腎症は雄ラットに特有な変化であることから、ヒトには外挿できないとされており<sup>7)</sup>、毒性影響ではないと考えられた。100 および 300 mg/kg 群では腎臓の相対重量の高値、尿検査で尿量の増加と比重の低値が認められ、300 mg/kg 群ではこれらに加えて血液化学的検査で UN の高値が認められたが、他の病理組織学的異常がみられないことから、 $\alpha$ 2u-グロブリン腎症との関連性が示唆された。

以上の変化は、いずれも回復 2 日以降および回復期間終了時の検査では認められないか程度が軽減しており、回復性を示した。また、雄の回復期間終了時にみられた尿細管好塩基性化は $\alpha$ 2u-グロブリン腎症で傷害された尿細管上皮の再生過程を示す変化<sup>8)</sup>と考えられた。

以上のように、被験物質投与群の雄全例で $\alpha$ -2u グロブリン腎症がみられたが、ヒトには外挿できない変化と考えられたので、300 mg/kg 群において、雄で一般状態の変化(着色尿)、雌雄で体重增加抑制、摂餌量の抑制、雌で網赤血球数の高値、白血球数および白血球分画の低値ならびに脾臓重量の低値が認められたことから、本試験条件下におけるイソオクタンの反復投与毒性に関する無毒性量(NOAEL) は雌雄とも 100 mg/kg/day と考えられた。

## 5.2 生殖発生毒性

生殖能検査では、300 mg/kg 群まで、性周期の異常の発現率、発情期間隔および発情回数、交尾率、受胎率、交尾所要日数、着床数、出生率、妊娠期間、出産率、出産児数、ならびに出産時の生存児数および死亡児数には、被験物質投与に関連する変化はみられなかつた。

新生児の体重、一般状態、生存率、性比、外表異常児出現率、肛門生殖突起間距離、乳頭数、T4 濃度および剖検では、300 mg/kg 群まで、被験物質投与に関連する変化はみられなかつた。

以上のように、300 mg/kg 群まで、親動物の生殖能および新生児の発生に被験物質投与に関連した変化は認められなかつたため、本試験条件下におけるイソオクタンの親動物の生殖ならびに新生児の発生に対する無毒性量(NOAEL) はいずれも 300 mg/kg/day と考えられた。

## 6 試験成績の信頼性に影響を及ぼしたと思われる環境要因

2019 年 11 月 12 日に、動物番号 50359 の交配判定を未交尾として、投与操作を交配期間(相

対日 15 日) の時期で実施したが、その後の再確認で交尾成立と判断された。このため、投与後に妊娠 0 日の体重測定を実施し (285 g)、投与は投与 14 日の体重 (273 g) に基づいた投与液量で行われた。妊娠 0 日の体重測定のタイミングについては、測定時刻が午前中であったため、体重にほとんど変動はないと考えられ、また、投与液量の算出基準については、どちらも計算値が 1.4 mL であることから、これらの逸脱が試験成績の信頼性に及ぼす影響はないと考えられた。

2019 年 11 月 20 日に、動物番号 50260 の妊娠 7 日の残餌量を測定したところ、摂餌量が負の値となった。この動物の体重および体重増加量に異常はないこと、ならびに妊娠 0 日の給餌量が他の動物の値と比べて明らかに低値であったことから、給餌量が不正確な値であると判断し、当該データを欠測値とした。しかし、1 例のみの欠測であることから、この逸脱が試験の信頼性に及ぼす影響はないと考えられた。

2019 年 12 月 5 日に、妊娠 22 日の分娩中に対照群の 1 例 (動物番号 50159) が死亡し、30 mg/kg 群の 1 例 (動物番号 50260) を衰弱 (呼吸促迫および体温低下) により安楽死させた。これらの腹に認められた出産生存児または子宮内生存胎児の処置について試験計画書に規定していなかったが、母動物の剖検日にペントバルビタールナトリウムの腹腔内投与により安楽死処分した。難産等の異常出産は低頻度で自然発生することと、対照群または低用量群の変化であることから被験物質投与との関連性はなく、生存児/胎児の処置は適切と考えられ、試験の信頼性に及ぼす影響はないと判断した。

その他に試験成績の信頼性に影響を及ぼしたと思われる環境要因はなかった。

## 7 資料の保存

### 7.1 資料の種類

以下を株式会社化合物安全性研究所の資料保存室に保存する。

1. 試験計画書および試験計画書変更書
2. 生データその他の記録文書
3. 最終報告書
4. 標本
5. 被験物質サンプル

### 7.2 保存期間

試験終了後 10 年間保存し、その後の保存については試験委託者との協議により決定する。

## 8 参考資料

- 1) PubChem, 2,2,4-Trimethylpentane,  
website: [https://pubchem.ncbi.nlm.nih.gov/compound/2\\_2\\_4-Trimethylpentane](https://pubchem.ncbi.nlm.nih.gov/compound/2_2_4-Trimethylpentane)
- 2) 安全データシート [REDACTED]
- 3) 製品検査報告書 [REDACTED]
- 4) 最終報告書：イソオクタンのラットにおける反復投与毒性・生殖発生毒性併合試験のための予備試験 (SR19177), 株式会社化合物安全性研究所 2019 年
- 5) 血液学的検査/血液化学的検査 背景データ Crl:CD(SD) ラット(雌雄：14～18 週齢)  
(2017～2019 年) 株式会社化合物安全性研究所 社内資料
- 6) 病理組織学的検査 背景データ Crl:CD(SD) ラット(雌雄：14～18 週齢)(2015～2019 年)  
株式会社化合物安全性研究所 社内資料
- 7) Swenberg, J.A., Short, B., Borghoff, S., Strasser, J., Charbonneau, M. (1989) The Comparative Pathobiology of  $\alpha$ 2u-Globulin Nephropathy. *Toxicol. Appl. Pharmacol.* 97, 35-46.
- 8) 日本毒性病理学会編. 新毒性病理組織学. 西村書店. 東京. 2017 年

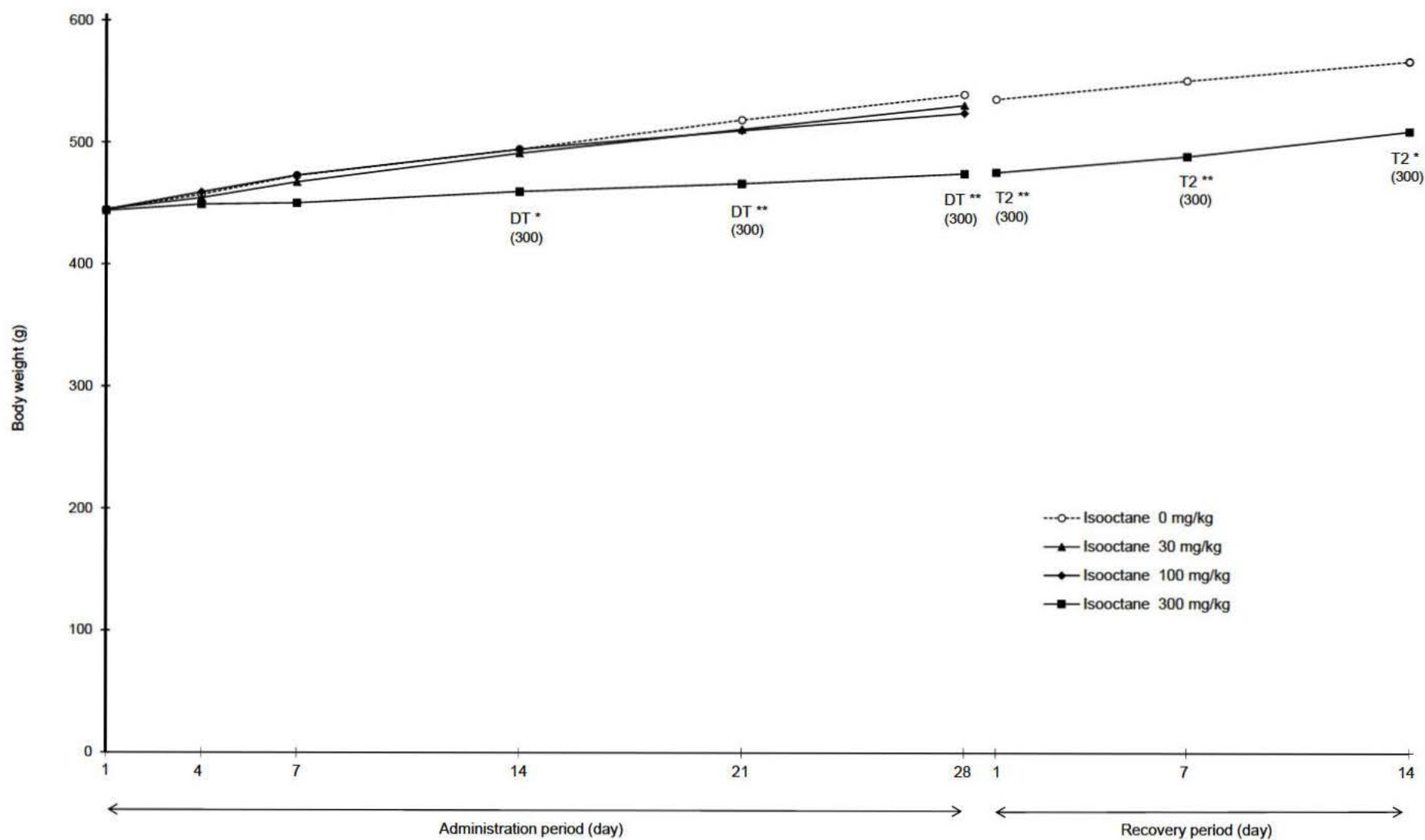
Figure 1 - 1

Study No. : SR19178

Body weight, Male

Period : Administration Day 1-28, Recovery Day 1-14

Species : Rat



Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05, \*\* P&lt;0.01

DT : Dunnett test (two-side), T2 : Student t-test (two-side)

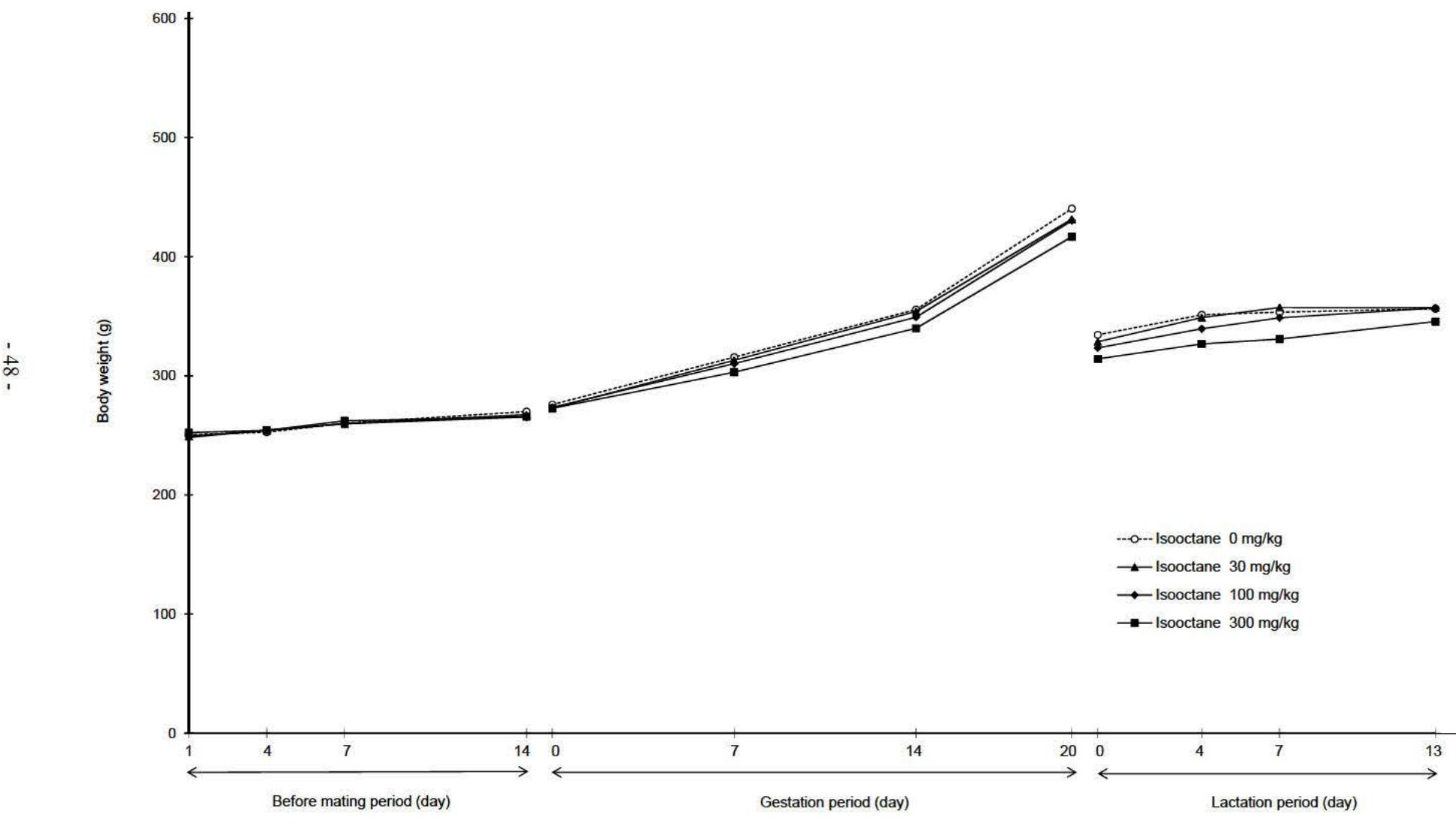
Figure 1 - 2

Study No. : SR19178

Body weight, Female

Period : F0 Day 1-14, F0 gestation Day 0-20, F0 lactation Day 0-13

Species : Rat



Not significantly different from Isooctane 0 mg/kg

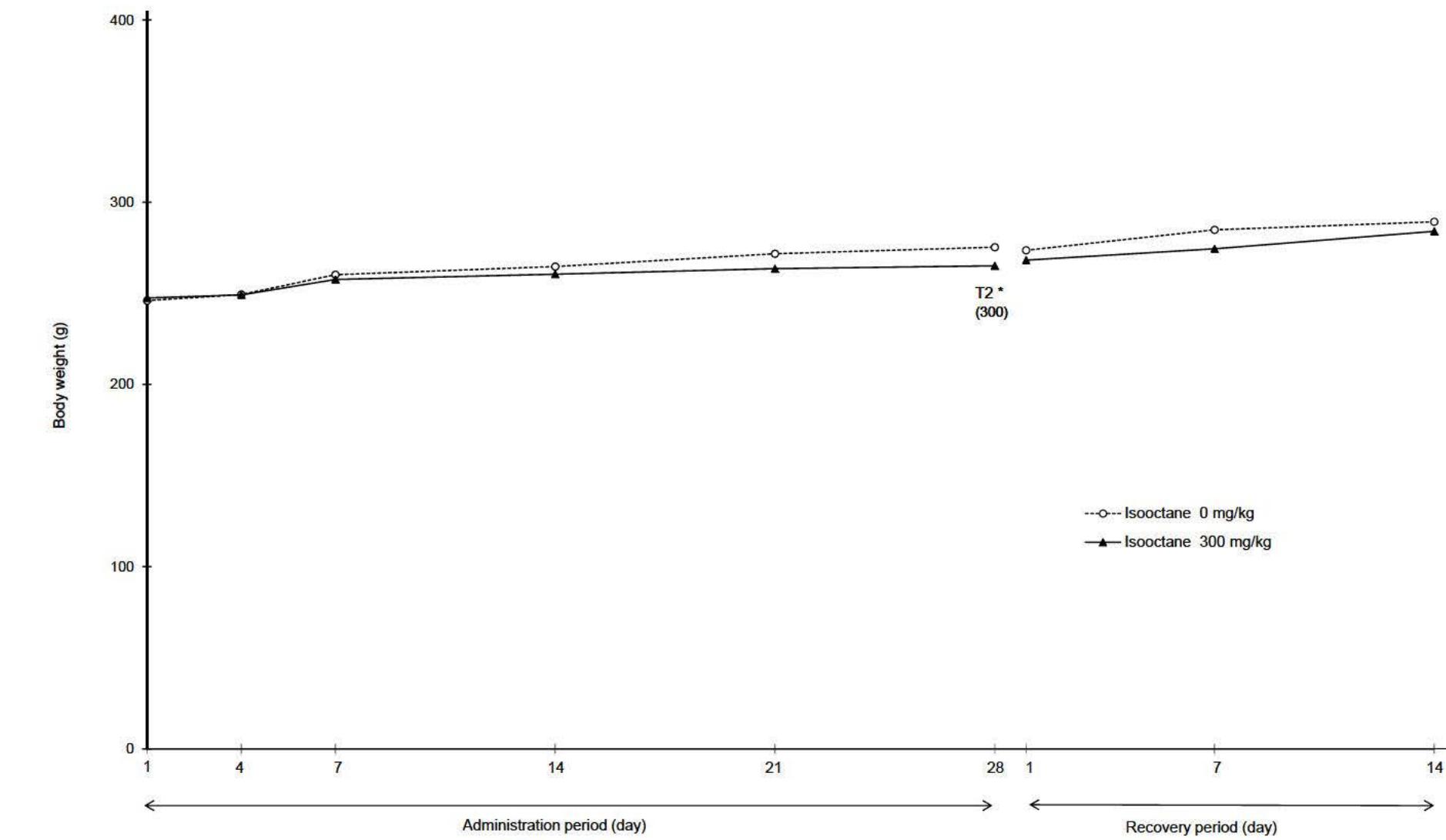
Figure 1 - 3

Study No. : SR19178

Body weight, Female (satellite)

Period : Administration Day 1-28, Recovery Day 1-14

Species : Rat



Significantly different from Isooctane 0 mg/kg: \* P<0.05

T2 : Student t-test (two-side)

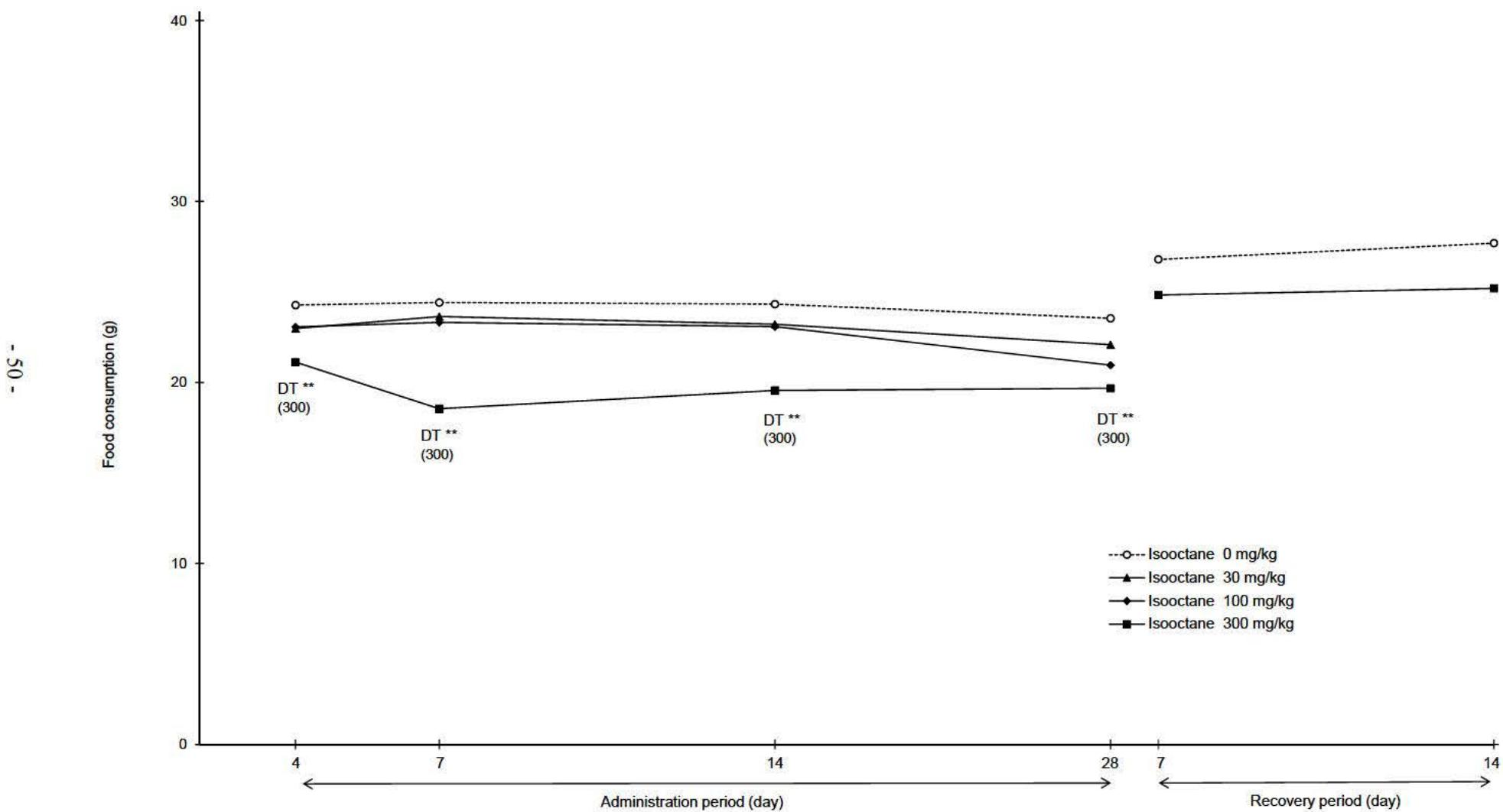
Figure 2 - 1

Study No. : SR19178

Food consumption, Male

Period : Administration Day 1-28, Recovery Day 1-14

Species : Rat



Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05, \*\* P&lt;0.01

DT : Dunnett test (two-side)

Figure 2 - 2

Study No. : SR19178

Food consumption, Female

Period : F0 Day 1-14, F0 gestation Day 0-20, F0 lactation Day 0-13

Species : Rat

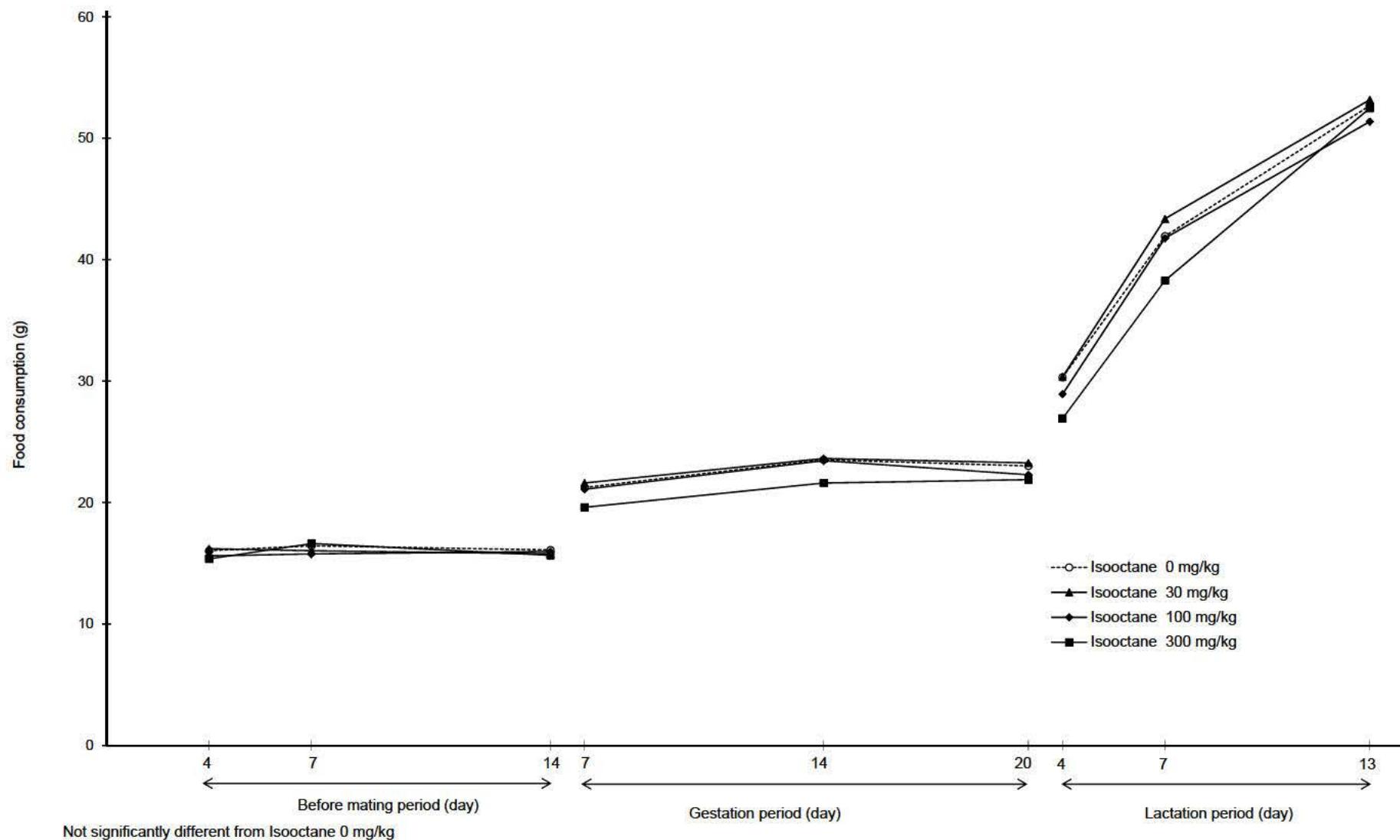
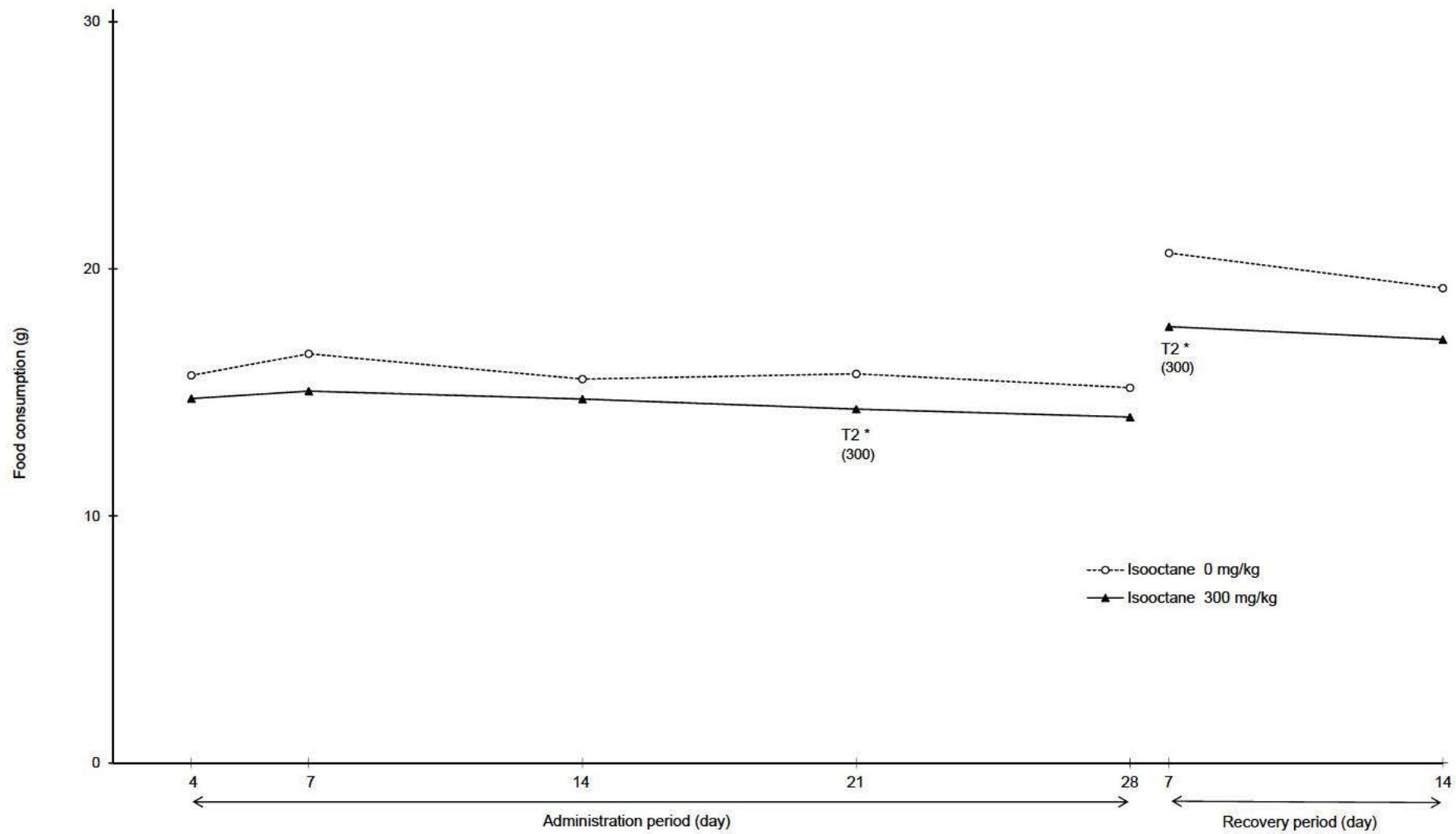


Figure 2 - 3

Study No. : SR19178

Food consumption, Female (satellite) Period : Administration Day 1-28, Recovery Day 1-14

Species : Rat



Significantly different from Isooctane 0 mg/kg: \* P<0.05

T2 : Student t-test (two-side)

Figure 3

Study No. : SR19178

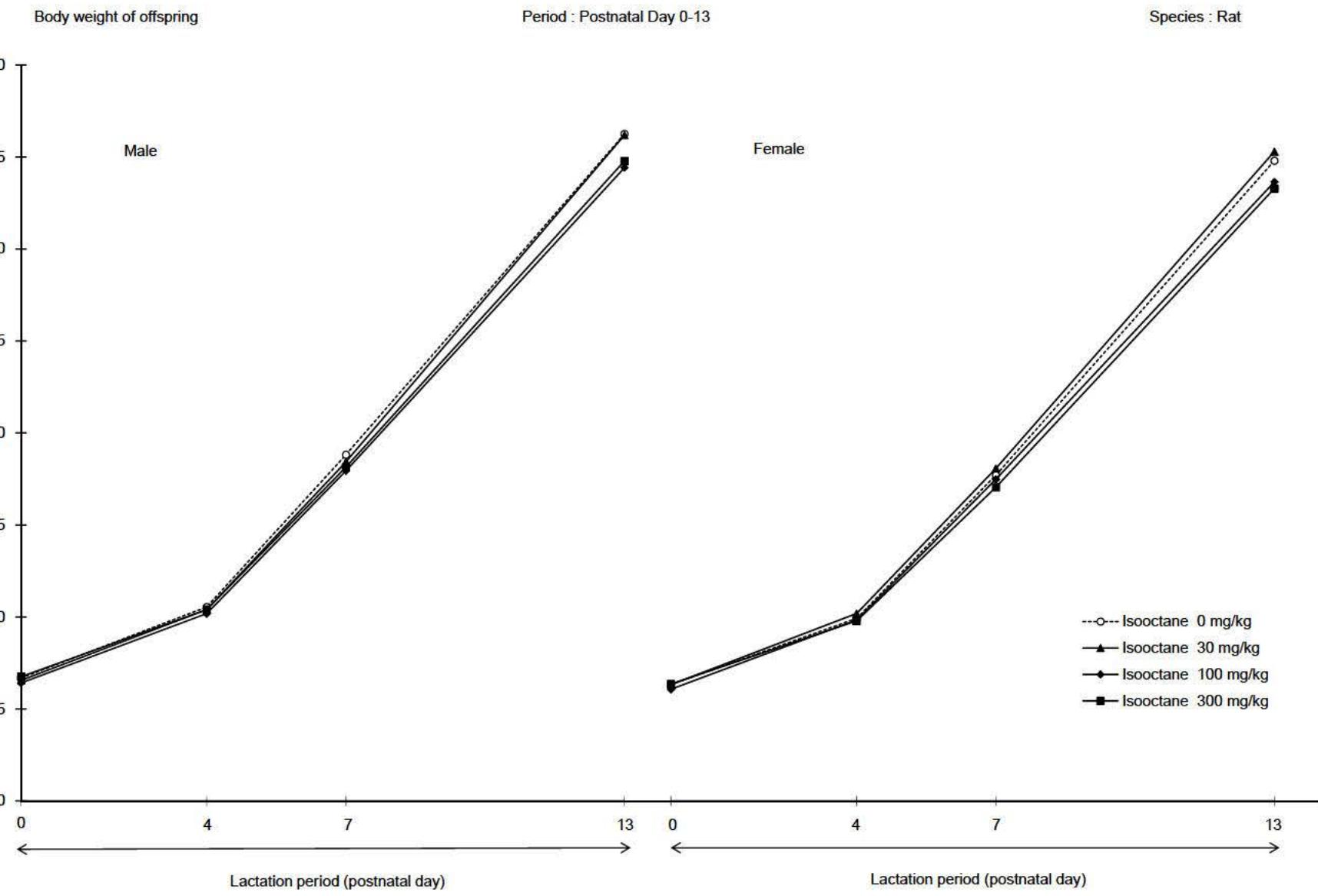


Table 1 - 1

Study No. : SR19178

Clinical sign Sex : Male		Period : Administration Day 1-29												Species : Rat				
		Day 1		2		3		4		5		6		7		8		
Test article	Dose	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
30 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Crushing of incisors (upper incisor)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	9	12	7	12	0	10
	Soil of perigenital fur		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Chromaturia (red brown)		0	0	0	0	0	0	0	0	0	0	0	3	0	5	0	12
Test article		Day	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
30 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Crushing of incisors (upper incisor)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		0	12	0	12	0	12	0	12	0	12	0	12	0	12	0	12
	Soil of perigenital fur		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Chromaturia (red brown)		12	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0
Test article		Day	17	18	19	20	21	22	23	24	17	18	19	20	21	22	23	24
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
30 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11
	Crushing of incisors (upper incisor)		0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		0	10	0	10	0	10	0	10	0	11	0	11	0	11	0	11
	Soil of perigenital fur		2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
	Chromaturia (red brown)		12	0	12	0	12	0	12	0	12	0	12	0	12	0	12	0

Administration)1 : Before dosing, 2 : After dosing

Table 1 - 2

Study No. : SR19178

Test article Dose	Clinical sign Sex : Male	Clinical signs	Period : Administration Day 1-29									Species : Rat			
			Day	25	26	27	28	29	Time	1	2	1	2	3	
Isooctane 0 mg/kg	n No abnormality			12	12	12	12	12	12	12	12	12	7		
Isooctane 30 mg/kg	n No abnormality			12	12	12	12	12	12	12	12	12	12		
Isooctane 100 mg/kg	n No abnormality Crushing of incisors (upper incisor)			12	12	12	12	12	12	12	12	12	12		
Isooctane 300 mg/kg	n No abnormality Soil of perigenital fur Chromaturia (red brown)			12	12	12	12	12	12	12	12	12	7		
				0	11	0	11	0	11	0	11	0	11	0	
				1	1	1	1	1	1	1	1	1	1		
				12	0	12	0	12	0	12	0	12	0	7	

Administration)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Table 1 - 3

Study No. : SR19178

Clinical sign Sex : Female		Period : F0 before mating Day 1-14, F0 mating Day 15-23												Species : Rat					
Test article	Dose	Clinical signs		Day 1		2		3		4		5		6		7			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
30 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
100 mg/kg	No abnormality		12	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	
	Crushing of incisors (upper incisor)		0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
Test article		Clinical signs		Day 9		10		11		12		13		14		15		16	
Dose		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	11	11	4	4
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	11	11	4	4
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	9	9	3	3
30 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	9	9	3	3
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	9	9	6	6
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	9	9	6	6
	Crushing of incisors (upper incisor)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	10	10	6	6
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	10	10	6	6
Test article		Clinical signs		Day 17		18		19		20		21		22		23			
Dose		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
Isooctane	n		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
0 mg/kg	No abnormality		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Isooctane	n		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30 mg/kg	No abnormality		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Isooctane	n		3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100 mg/kg	No abnormality		3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Crushing of incisors (upper incisor)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Isooctane	n		3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
300 mg/kg	No abnormality		3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

F0 before mating)1 : Before dosing, 2 : After dosing, F0 mating)1 : Before dosing, 2 : After dosing

Table 1 - 4

Study No. : SR19178

Clinical sign Sex : Female		Period : F0 gestation Day 0-26														Species : Rat	
		Day 0		1		2		3		4		5		6		7	
Test article	Dose	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Death		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
30 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Subcutaneous mass (right thorax)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isooctane	n		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
100 mg/kg	No abnormality		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Test article		Day 8		9		10		11		12		13		14		15	
		Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Death		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
30 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Subcutaneous mass (right thorax)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isooctane	n		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
100 mg/kg	No abnormality		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Test article		Day 16		17		18		19		20		21		22		23	
		Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	5	4
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	4	4	0
	Death		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	5	4	1
30 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	11	5	4	1
	Subcutaneous mass (right thorax)		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Isooctane	n		11	11	11	11	11	11	11	11	11	11	11	11	4	4	0
100 mg/kg	No abnormality		11	11	11	11	11	11	11	11	11	11	11	11	4	4	0
Isooctane	n		12	12	12	12	12	12	12	12	12	12	12	12	7	7	0
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	7	7	0

F0 gestation)1 : Before dosing, 2 : After dosing

Table 1 - 5

Study No. : SR19178

Test article Dose	Clinical sign Sex : Female	Period : F0 gestation Day 0-26					Species : Rat
		Day	24	25	26		
		Time	1	2	1	2	
Isooctane 0 mg/kg	n		0	0	0	0	0
	No abnormality		0	0	0	0	0
	Death		0	0	0	0	0
Isooctane 30 mg/kg	n		1	1	1	1	1
	No abnormality		1	1	1	1	1
	Subcutaneous mass (right thorax)		0	0	0	0	0
Isooctane 100 mg/kg	n		0	0	0	0	0
	No abnormality		0	0	0	0	0
Isooctane 300 mg/kg	n		0	0	0	0	0
	No abnormality		0	0	0	0	0

F0 gestation)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Table 1 - 6

Study No. : SR19178

Test article Dose	Clinical sign Sex : Female	Period : F0 lactation Day 0-14														Species : Rat	
		Day 0		1		2		3		4		5		6			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
Isooctane 0 mg/kg	n No abnormality		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Isooctane 30 mg/kg	n No abnormality Subcutaneous mass (right thorax)		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Isooctane 100 mg/kg	n No abnormality		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Isooctane 300 mg/kg	n No abnormality Subcutaneous mass (right thorax)		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Test article Dose	Clinical signs	Day 8		9		10		11		12		13		14			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	3
			11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Isooctane 0 mg/kg	n No abnormality		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Isooctane 30 mg/kg	n No abnormality Subcutaneous mass (right thorax)		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Isooctane 100 mg/kg	n No abnormality		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Isooctane 300 mg/kg	n No abnormality Subcutaneous mass (right thorax)		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

F0 lactation)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Table 1 - 7

Study No. : SR19178

Clinical sign Sex : Female (satellite)		Period : Administration Day 1-29												Species : Rat				
		Day 1		2		3		4		5		6		7		8		
Test article	Dose	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Isooctane	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
0 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Isooctane	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
300 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Test article		Day 9		10		11		12		13		14		15		16		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Isooctane	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
0 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Isooctane	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
300 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Test article		Day 17		18		19		20		21		22		23		24		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Isooctane	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
0 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Isooctane	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
300 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Test article		Day 25		26		27		28		29								
		Time	1	2	1	2	1	2	1	2	3							
Isooctane	n		10	10	10	10	10	10	10	10	5							
0 mg/kg	No abnormality		10	10	10	10	10	10	10	10	5							
Isooctane	n		10	10	10	10	10	10	10	10	5							
300 mg/kg	No abnormality		10	10	10	10	10	10	10	10	5							

Administration)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Table 1 - 8

Study No. : SR19178

Test article Dose	Clinical sign Sex : Male	Period : Recovery Day 1-15														Species : Rat		
		Day		1		2		3		4		5		6		7		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
Isooctane 0 mg/kg	n No abnormality		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Isooctane 300 mg/kg	n No abnormality Chromaturia (red brown)		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
			0	4	5	5	5	5	5	5	5	5	5	5	5	5	5	
			5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Test article		Day		9		10		11		12		13		14		15		
Dose		Clinical signs		Time	1	2	1	2	1	2	1	2	1	2	1	2	3	
Isooctane 0 mg/kg	n No abnormality			5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Isooctane 300 mg/kg	n No abnormality Chromaturia (red brown)			5	5	5	5	5	5	5	5	5	5	5	5	5	5	
				5	5	5	5	5	5	5	5	5	5	5	5	5	5	
				5	5	5	5	5	5	5	5	5	5	5	5	5	5	
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Recovery)1 : AM, 2 : PM, 3 : Necropsy day

Table 1 - 9

Study No. : SR19178

Clinical sign Sex : Female (satellite)		Period : Recovery Day 1-15													Species : Rat				
		Day		1		2		3		4		5		6		7		8	
Test article	Dose	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
Isooctane	n		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
0 mg/kg	No abnormality		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Isooctane	n		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
300 mg/kg	No abnormality		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Test article		Day		9		10		11		12		13		14		15			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	2	3	
Isooctane	n		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
0 mg/kg	No abnormality		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Isooctane	n		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
300 mg/kg	No abnormality		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	

Recovery)1 : AM, 2 : PM, 3 : Necropsy day

Table 2 - 1

Study No. : SR19178

## Detailed clinical observation (in the cage)

Sex : Male

Species : Rat

Stage	Group	Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior Self biting 1
					Rolling 0	Repetitive circling 0	
Pre	0 mg/kg	n 12	12	12	12	12	12
	30 mg/kg	n 12	12	12	12	12	12
	100 mg/kg	n 12	12	12	12	12	12
	300 mg/kg	n 12	12	12	12	12	12
Day 7	0 mg/kg	n 12	12	12	12	12	12
	30 mg/kg	n 12	12	12	12	12	12
	100 mg/kg	n 12	12	12	12	12	12
	300 mg/kg	n 12	12	12	12	12	12
Day 14	0 mg/kg	n 12	12	12	12	12	12
	30 mg/kg	n 12	12	12	12	12	12
	100 mg/kg	n 12	12	12	12	12	12
	300 mg/kg	n 12	12	12	12	12	12
Day 21	0 mg/kg	n 12	12	12	12	12	12
	30 mg/kg	n 12	12	12	12	12	12
	100 mg/kg	n 12	12	12	12	12	12
	300 mg/kg	n 12	12	12	12	12	12
Day 28	0 mg/kg	n 12	12	12	12	12	12
	30 mg/kg	n 12	12	12	12	12	12
	100 mg/kg	n 12	12	12	12	12	12
	300 mg/kg	n 12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Not significantly different from Isooctane 0 mg/kg

Table 2 - 2

Study No. : SR19178

## Detailed clinical observation (in the cage)

Sex : Female

Species : Rat

Stage	Group	Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior Self biting 1
					Rolling 0	Repetitive circling 0	
Pre	0 mg/kg	n 12	12	12	12	12	12
	30 mg/kg	n 12	12	12	12	12	12
	100 mg/kg	n 12	12	12	12	12	12
	300 mg/kg	n 12	12	12	12	12	12
Day 7	0 mg/kg	n 12	12	12	12	12	12
	30 mg/kg	n 12	12	12	12	12	12
	100 mg/kg	n 12	12	12	12	12	12
	300 mg/kg	n 12	12	12	12	12	12
Day 14	0 mg/kg	n 12	12	12	12	12	12
	30 mg/kg	n 12	12	12	12	12	12
	100 mg/kg	n 12	12	12	12	12	12
	300 mg/kg	n 12	12	12	12	12	12
Day 21	0 mg/kg	n 12	12	12	12	12	12
	30 mg/kg	n 12	12	12	12	12	12
	100 mg/kg	n 12	12	12	12	12	12
	300 mg/kg	n 12	12	12	12	12	12
Day 28	0 mg/kg	n 12	12	12	12	12	12
	30 mg/kg	n 12	12	12	12	12	12
	100 mg/kg	n 12	12	12	12	12	12
	300 mg/kg	n 12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Not significantly different from Isooctane 0 mg/kg

Table 2 - 3

Study No. : SR19178

## Detailed clinical observation (in the cage)

Sex : Female

Species : Rat

Stage	Group	Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior Self biting 1
					Rolling 0	Repetitive circling 0	
Day 35	0 mg/kg	n 12	12	12	12	12	12
	30 mg/kg	n 12	12	12	12	12	12
	100 mg/kg	n 12	12	12	12	12	12
	300 mg/kg	n 12	12	12	12	12	12
Day 42	0 mg/kg	n 11	11	11	11	11	11
	30 mg/kg	n 10	10	10	10	10	10
	100 mg/kg	n 11	11	11	11	11	11
	300 mg/kg	n 12	12	12	12	12	12
Day 49	0 mg/kg	n 11	11	11	11	11	11
	30 mg/kg	n 10	10	10	10	10	10
	100 mg/kg	n 11	11	11	11	11	11
	300 mg/kg	n 12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Not significantly different from Isooctane 0 mg/kg

Table 2 - 4

Study No. : SR19178

## Detailed clinical observation (in the cage)

Sex : Female (satellite)

Species : Rat

Stage	Group	Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior
					Rolling 0	Repetitive circling 0	Self biting 1
Pre	0 mg/kg	n 10	n 10	n 10	n 10	n 10	n 10
	300 mg/kg	n 10	n 10	n 10	n 10	n 10	n 10
Day 7	0 mg/kg	n 10	n 10	n 10	n 10	n 10	n 10
	300 mg/kg	n 10	n 10	n 10	n 10	n 10	n 10
Day 14	0 mg/kg	n 10	n 10	n 10	n 10	n 10	n 10
	300 mg/kg	n 10	n 10	n 10	n 10	n 10	n 10
Day 21	0 mg/kg	n 10	n 10	n 10	n 10	n 10	n 10
	300 mg/kg	n 10	n 10	n 10	n 10	n 10	n 10
Day 28	0 mg/kg	n 10	n 10	n 10	n 10	n 10	n 10
	300 mg/kg	n 10	n 10	n 10	n 10	n 10	n 10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Not significantly different from Isooctane 0 mg/kg

Table 2 - 5

Study No. : SR19178

## Detailed clinical observation (in the cage)

Sex : Male

Species : Rat

Stage	Group	Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior Self biting 1
					Rolling 0	Repetitive circling 0	
Recovery Day 7	0 mg/kg	n	5	5	5	5	5
	300 mg/kg	n	5	5	5	5	5
Recovery Day 14	0 mg/kg	n	5	5	5	5	5
	300 mg/kg	n	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Not significantly different from Isooctane 0 mg/kg

Table 2 - 6

Study No. : SR19178

## Detailed clinical observation (in the cage)

Sex : Female (satellite)

Species : Rat

Stage	Group	Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior Self biting 1
					Rolling 0	Repetitive circling 0	
Recovery Day 7	0 mg/kg	n	5	5	5	5	5
	300 mg/kg	n	5	5	5	5	5
Recovery Day 14	0 mg/kg	n	5	5	5	5	5
	300 mg/kg	n	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Not significantly different from Isooctane 0 mg/kg

Table 3 - 1

Study No. : SR19178

## Detailed clinical observation (on the hand)

Sex : Male

Species : Rat

Stage	Group	Ease of		Muscle tone	Piloerection	Fur		Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	Secretions/Excretions
		Removal	Handling			1	3							
Pre	0 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	1	12	12	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	0	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	11	1	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) 1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Not significantly different from Isooctane 0 mg/kg

Table 3 - 2

Study No. : SR19178

## Detailed clinical observation (on the hand)

Sex : Female

Species : Rat

Stage	Group	Ease of		Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	Secretions/Excretions
		Removal	Handling										
1	1	2	1	0	1	1	1	0	1	1	1	1	0
Pre	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) 1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Not significantly different from Isooctane 0 mg/kg

Table 3 - 3

Study No. : SR19178

## Detailed clinical observation (on the hand)

Sex : Female

Species : Rat

Stage	Group	Ease of		Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	Secretions/Excretions
		Removal	Handling										
Day 35	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
Day 42	0 mg/kg	n	11	11	11	11	11	11	11	11	11	11	11
	30 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10
	100 mg/kg	n	11	11	11	11	11	11	11	11	11	11	11
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12
Day 49	0 mg/kg	n	11	11	11	11	11	11	11	11	11	11	11
	30 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10
	100 mg/kg	n	11	11	11	11	11	11	11	11	11	11	11
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Not significantly different from Isooctane 0 mg/kg

Table 3 - 4

Study No. : SR19178

Detailed clinical observation (on the hand)  
Sex : Female (satellite)

Species : Rat

Stage	Group	Ease of		Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	Secretions/Excretions
		Removal	Handling										
Stage	Group	1	1	2	1	1	1	0	1	1	1	1	0
	Pre	n	10	10	10	10	10	10	10	10	10	10	10
Day 7	0 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10
Day 14	0 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10
Day 21	0 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10
Day 28	0 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Not significantly different from Isooctane 0 mg/kg

Table 3 - 5

Study No. : SR19178

## Detailed clinical observation (on the hand)

Sex : Male

Species : Rat

Stage	Group	Ease of		Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	Secretions/Excretions
		Removal	Handling										
		1	1	2	1	1	1	0	1	1	1	1	0
Recovery Day 7	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
	300 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
Recovery Day 14	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
	300 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Not significantly different from Isooctane 0 mg/kg

Table 3 - 6

Study No. : SR19178

## Detailed clinical observation (on the hand)

Sex : Female (satellite)

Species : Rat

Stage	Group	Ease of		Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	Secretions/Excretions
		Removal	Handling										
		1	1	2	1	1	1	0	1	1	1	1	0
Recovery Day 7	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
	300 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
Recovery Day 14	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
	300 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Not significantly different from Isooctane 0 mg/kg

Table 4 - 1

Study No. : SR19178

## Detailed clinical observation (in the open field)

Sex : Male

Species : Rat

Stage	Group	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination		Defecation		Stereotype		Bizarre behavior					
						1	1	1	1	0	1	Excessive grooming	0	Unusual head movement	0	Walking backward	Vocaliza- tion
Pre	0 mg/kg	n	12	12	12	12	8	4	7	5	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	5	7	8	4	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	10	2	6	6	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	8	4	8	4	12	12	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	10	2	10	2	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	7	5	ST \$	10	2	12	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	11	1	10	2	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	10	2	10	2	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	10	2	10	2	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	9	3	9	3	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	10	2	9	3	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	12	0	11	1	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	10	2	11	1	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2;Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Significantly different from Isooctane 0 mg/kg: \$ P&lt;0.05

ST : Steel test (two-side)

Table 4 - 2

Study No. : SR19178

## Detailed clinical observation (in the open field)

Sex : Female

Species : Rat

Stage	Group	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination		Defecation		Stereotype		Bizarre behavior				
						1	1	1	1	0	1	0	0	Walking backward	Vocaliza- tion	Aggression
Pre	0 mg/kg	n	12	12	12	12	12	0	11	1	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12	12
	30 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2;Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Not significantly different from Isooctane 0 mg/kg

Table 4 - 3

Study No. : SR19178

## Detailed clinical observation (in the open field)

Sex : Female

Species : Rat

Stage	Group	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination		Defecation	Stereotype			Bizarre behavior		
						0	1		Excessive grooming	Unusual head movement	Walking backward	Vocaliza- tion	Aggression	
Day 35	0 mg/kg	n	12	12	12	12	0	12	12	0	12	12	12	
	30 mg/kg	n	12	12	12	11	1	12	12	0	12	12	12	
	100 mg/kg	n	12	12	12	12	0	12	12	0	12	12	12	
	300 mg/kg	n	12	12	12	12	0	12	12	0	12	12	12	
Day 42	0 mg/kg	n	11	11	11	10	1	11	11	0	11	11	11	
	30 mg/kg	n	10	10	10	8	2	10	10	0	10	10	10	
	100 mg/kg	n	11	11	11	10	1	11	11	0	11	11	11	
	300 mg/kg	n	12	12	12	12	0	12	12	0	12	12	12	
Day 49	0 mg/kg	n	11	11	11	9	2	11	11	0	11	11	11	
	30 mg/kg	n	10	10	10	9	1	10	9	1	10	10	10	
	100 mg/kg	n	11	11	11	11	0	11	11	0	11	11	11	
	300 mg/kg	n	12	12	12	11	1	12	12	0	12	12	12	

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3; Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Not significantly different from Isooctane 0 mg/kg

Table 4 - 4

Study No. : SR19178

Detailed clinical observation (in the open field)  
Sex : Female (satellite)

Species : Rat

Stage	Group	Gait	Co-ordination of movement		Reactivity to stimuli		Searching	Urination		Defecation		Stereotype		Bizarre behavior			
			1	1	1	1		0	1	0	1	0	0	Excessive grooming	Unusual head movement	Walking backward	Vocalization
Pre	0 mg/kg	n	10	10	10	10	10	10	0	10	0	10	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	10	10	0	10	0	10	10	10	10	10	10
Day 7	0 mg/kg	n	10	10	10	10	10	10	0	10	0	10	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	10	10	0	10	0	10	10	10	10	10	10
Day 14	0 mg/kg	n	10	10	10	10	10	10	0	10	0	10	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	10	10	0	10	0	10	10	10	10	10	10
Day 21	0 mg/kg	n	10	10	10	10	10	9	1	9	1	10	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	10	10	0	10	0	10	10	10	10	10	10
Day 28	0 mg/kg	n	10	10	10	10	10	10	0	10	0	10	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	10	10	0	10	0	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2;Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Not significantly different from Isooctane 0 mg/kg

Table 4 - 5

Study No. : SR19178

Detailed clinical observation (in the open field)

Sex : Male

Species : Rat

Stage	Group	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination		Defecation		Stereotype		Bizarre behavior		
						0	1	0	1	Excessive grooming	Unusual head movement	Walking backward	Vocaliza- tion	Aggression
Recovery Day 7	0 mg/kg 300 mg/kg	n n	5 5	5 5	5 5	5 5	5 4	0 1	5 4	0 1	5 5	5 5	5 5	5 5
Recovery Day 14	0 mg/kg 300 mg/kg	n n	5 5	5 5	5 5	5 5	4 4	1 1	4 3	1 2	5 5	5 5	5 5	5 5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Not significantly different from Isooctane 0 mg/kg

Table 4 - 6

Study No. : SR19178

Detailed clinical observation (in the open field)  
Sex : Female (satellite)

Species : Rat

Stage	Group	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination		Defecation		Stereotype		Bizarre behavior			
						1	1	1	1	0	1	0	Excessive grooming	Unusual head movement	Walking backward
Recovery Day 7	0 mg/kg 300 mg/kg	n n	5 5	5 5	5 5	5 5	4 5	1 0	5 5	5 5	5 5	5 5	5 5	5 5	5 5
Recovery Day 14	0 mg/kg 300 mg/kg	n n	5 5	5 5	5 5	5 5	5 5	0 0	5 5	5 5	5 5	5 5	5 5	5 5	5 5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Not significantly different from Isooctane 0 mg/kg

Table 5 - 1

Study No. : SR19178

Functional observations (on the desk)  
Sex : Male

Stage : Week 4

Species : Rat

Group	n	Reactivity					Righting reflex
		Visual 4	Touch 2	Auditory 1	Pain 2	Proprioceptive 1	
0 mg/kg	n	5	5	5	5	5	5
30 mg/kg	n	5	5	5	5	5	5
100 mg/kg	n	5	5	5	5	5	5
300 mg/kg	n	5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Not significantly different from Isooctane 0 mg/kg

Table 5 - 2

Study No. : SR19178

Functional observations (on the desk)  
Sex : Female

Stage : Lactation Day 13

Species : Rat

Group	n	Reactivity					Righting reflex
		Visual 4	Touch 2	Auditory 1	Pain 2	Proprioceptive 1	
0 mg/kg	n	5	5	5	5	5	5
30 mg/kg	n	5	5	5	5	5	5
100 mg/kg	n	5	5	5	5	5	5
300 mg/kg	n	5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Not significantly different from Isooctane 0 mg/kg

Table 5 - 3

Study No. : SR19178

Functional observations (on the desk)  
Sex : Female (satellite)

Stage : Week 4

Species : Rat

Group		Reactivity					Righting reflex
		Visual	Touch	Auditory	Pain	Proprioceptive	
0 mg/kg	n	4	2	1	2	1	1
300 mg/kg	n	5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Not significantly different from Isooctane 0 mg/kg

Table 6 - 1

Study No. : SR19178

Sex : Male	Grip strength		Stage : Week 4	Species : Rat
	Forelimb	Hindlimb		
Test article		g		
Dose		g		
Isooctane	n	5	5	
0 mg/kg	Mean	1144.14	415.80	
	S.D.	198.47	55.59	
Isooctane	n	5	5	
30 mg/kg	Mean	1119.78	434.26	
	S.D.	118.41	16.53	
Isooctane	n	5	5	
100 mg/kg	Mean	1201.88	444.34	
	S.D.	104.28	17.79	
Isooctane	n	5	5	
300 mg/kg	Mean	989.74	385.92	
	S.D.	201.30	52.06	

Not significantly different from Isooctane 0 mg/kg

Table 6 - 2

Study No. : SR19178

Sex : Female	Grip strength		Stage : Lactation day 13	Species : Rat
	Forelimb	Hindlimb		
Test article		g	g	
Dose				
Isooctane	n	5	5	
0 mg/kg	Mean	1324.14	453.34	
	S.D.	138.60	53.99	
Isooctane	n	5	5	
30 mg/kg	Mean	1291.02	454.12	
	S.D.	168.07	59.59	
Isooctane	n	5	5	
100 mg/kg	Mean	1265.52	444.38	
	S.D.	82.88	13.03	
Isooctane	n	5	5	
300 mg/kg	Mean	1298.86	462.48	
	S.D.	142.87	19.42	

Not significantly different from Isooctane 0 mg/kg

Table 6 - 3

Study No. : SR19178

	Grip strength		Stage : Week 4	Species : Rat
	Sex : Female (satellite)	Forelimb		
Test article		g	g	
Dose				
Isooctane	n	5	5	
0 mg/kg	Mean	1093.92	424.14	
	S.D.	21.82	22.89	
Isooctane	n	5	5	
300 mg/kg	Mean	917.12	383.88	
	S.D.	45.06	32.37	
		T2 **		

Significantly different from Isooctane 0 mg/kg: \*\* P&lt;0.01

T2 : Student t-test (two-side)

Table 6 - 4

Study No. : SR19178

	Grip strength		Stage : Recovery week 2	Species : Rat
	Sex : Female (satellite)	Forelimb		
Test article		g	g	
Dose				
Isooctane	n	5	5	
0 mg/kg	Mean	1191.94	423.46	
	S.D.	64.71	33.79	
Isooctane	n	5	5	
300 mg/kg	Mean	1193.28	410.28	
	S.D.	87.34	42.71	

Not significantly different from Isooctane 0 mg/kg

Table 7 - 1

Study No. : SR19178

	Motor activity measurements		Stage : Week 4					Species : Rat
	Sex : Male		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'
Test article	No.	No.	No.	No.	No.	No.	No.	No.
Dose								
Isooctane	n	5	5	5	5	5	5	5
0 mg/kg	Mean	403.0	271.8	181.4	45.8	24.2	32.8	959.0
	S.D.	206.5	228.1	143.5	67.0	34.0	46.9	622.8
Isooctane	n	5	5	5	5	5	5	5
30 mg/kg	Mean	272.8	193.4	132.4	113.8	95.8	14.0	822.2
	S.D.	92.2	80.5	96.1	102.3	79.5	18.3	415.9
Isooctane	n	5	5	5	5	5	5	5
100 mg/kg	Mean	390.2	196.6	75.0	72.8	57.2	12.2	804.0
	S.D.	127.3	63.5	42.5	42.6	85.7	26.2	316.1
Isooctane	n	5	5	5	5	5	5	5
300 mg/kg	Mean	395.4	272.6	155.6	116.8	23.0	42.0	1005.4
	S.D.	135.3	155.9	90.6	57.2	23.1	33.2	354.8

Not significantly different from Isooctane 0 mg/kg

Table 7 - 2

Study No. : SR19178

Test article Dose	Motor activity measurements Sex : Female							Species : Rat
	Stage : Lactation day 13							
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Isooctane	n	5	5	5	5	5	5	
0 mg/kg	Mean	595.4	181.0	20.6	82.2	74.8	38.8	992.8
	S.D.	348.1	149.8	27.3	81.2	72.8	75.2	430.9
Isooctane	n	5	5	5	5	5	5	
30 mg/kg	Mean	344.2	81.4	20.4	65.2	51.2	90.8	653.2
	S.D.	172.3	47.0	16.5	67.3	42.8	132.1	427.1
Isooctane	n	5	5	5	5	5	5	
100 mg/kg	Mean	407.8	128.4	43.4	115.8	58.0	67.4	820.8
	S.D.	66.3	48.5	52.0	120.7	41.5	68.2	268.8
Isooctane	n	5	5	5	5	5	5	
300 mg/kg	Mean	443.6	115.6	50.4	83.0	93.0	36.0	821.6
	S.D.	139.1	154.6	76.3	82.7	133.5	77.7	594.9

Not significantly different from Isooctane 0 mg/kg

Table 7 - 3

Study No. : SR19178

	Motor activity measurements		Stage : Week 4						Species : Rat
	Sex : Female (satellite)		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	
Test article	No.	No.	No.	No.	No.	No.	No.	No.	
Dose	n	5	5	5	5	5	5	5	
Isooctane	Mean	605.4	320.0	232.8	203.4	140.0	24.4	1526.0	
0 mg/kg	S.D.	308.4	364.4	254.6	238.6	237.7	54.0	1386.6	
Isooctane	n	5	5	5	5	5	5	5	
300 mg/kg	Mean	442.0	252.0	189.0	81.6	58.0	51.6	1074.2	
	S.D.	115.5	139.2	209.4	151.6	77.7	45.5	573.4	

Not significantly different from Isooctane 0 mg/kg

Table 8 - 1

Study No. : SR19178

Test article	Sex : Male	Period : Administration Day 1-28						Unit : g	Species : Rat
		/Day	1	4	7	14	21	28	
Isooctane	n	12	12	12	12	12	12	12	12
0 mg/kg	Mean	444.7	457.3	472.8	494.4	518.7	539.7	95.0	
	S.D.	27.1	28.1	30.0	33.6	35.7	38.3	20.7	
Isooctane	n	12	12	12	12	12	12	12	12
30 mg/kg	Mean	445.2	454.5	467.5	491.2	511.1	530.8	85.6	
	S.D.	24.6	27.4	29.2	35.0	37.5	42.6	23.3	
Isooctane	n	12	12	12	12	12	12	12	12
100 mg/kg	Mean	444.8	459.2	473.1	494.5	510.1	524.3	79.5	
	S.D.	27.6	28.1	29.3	32.4	33.5	33.7	15.5	
Isooctane	n	12	12	12	12	12	12	12	12
300 mg/kg	Mean	444.0	449.2	450.3	459.8	466.5	474.8	30.8	
	S.D.	24.1	23.7	31.6	32.6	36.3	40.6	23.1	
					DT *	DT **	DT **	DT **	

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05, \*\* P&lt;0.01

DT : Dunnett test (two-side)

Table 8 - 2

Study No. : SR19178

Test article Dose	Body weight Sex : Female /Day	Period : F0 before mating Day 1-14					Unit : g	Species : Rat
		1	4	7	14	Body weight gain		
Isooctane 0 mg/kg	n Mean S.D.	12 250.6 19.0	12 252.8 16.7	12 260.3 20.4	12 270.1 22.9	12 19.5 8.5		
Isooctane 30 mg/kg	n Mean S.D.	12 249.3 23.3	12 254.0 19.5	12 259.9 26.0	12 267.3 25.7	12 18.0 7.5		
Isooctane 100 mg/kg	n Mean S.D.	12 248.3 16.6	12 254.4 16.5	12 259.7 16.2	12 265.5 21.2	12 17.3 10.9		
Isooctane 300 mg/kg	n Mean S.D.	12 252.4 17.3	12 254.2 14.3	12 262.3 15.7	12 265.8 17.7	12 13.4 9.5		

Not significantly different from Isooctane 0 mg/kg

Table 8 - 3

Study No. : SR19178

Test article Dose	Sex : Female /Day	Period : F0 gestation Day 0-20				Unit : g	Species : Rat
		0	7	14	20		
Isooctane 0 mg/kg	n	12	12	12	12	12	
	Mean	275.9	315.7	355.7	440.4	164.5	
	S.D.	23.8	23.1	24.0	28.9	15.5	
Isooctane 30 mg/kg	n	12	12	12	12	12	
	Mean	272.8	313.1	354.1	431.5	158.8	
	S.D.	25.4	28.5	32.5	41.8	25.8	
Isooctane 100 mg/kg	n	11	11	11	11	11	
	Mean	273.6	310.3	349.3	430.3	156.6	
	S.D.	27.5	28.2	33.7	44.1	24.2	
Isooctane 300 mg/kg	n	12	12	12	12	12	
	Mean	272.8	303.1	340.0	416.8	144.0	
	S.D.	18.5	19.6	23.8	27.9	15.9	

Not significantly different from Isooctane 0 mg/kg

Table 8 - 4

Study No. : SR19178

Test article Dose	Body weight Sex : Female /Day	Period : F0 lactation Day 0-13					Unit : g	Species : Rat
		0	4	7	13	Body weight gain		
Isooctane 0 mg/kg	n Mean S.D.	11 334.5 26.3	11 351.3 24.4	11 353.5 24.3	11 356.4 22.9	11 21.8 8.3		
Isooctane 30 mg/kg	n Mean S.D.	10 328.7 35.3	10 349.0 33.8	10 357.5 36.8	10 357.3 32.4	10 28.6 14.9		
Isooctane 100 mg/kg	n Mean S.D.	11 323.5 38.6	11 339.6 33.3	11 348.8 31.2	11 357.0 27.7	11 33.5 19.6		
Isooctane 300 mg/kg	n Mean S.D.	12 314.3 25.9	12 326.8 27.4	12 330.9 27.0	12 345.6 27.6	12 31.3 11.3		

Not significantly different from Isooctane 0 mg/kg

Table 8 - 5

Study No. : SR19178

Test article Dose	Body weight Sex : Female (satellite) /Day	Period : Administration Day 1-28						Unit : g	Species : Rat
		1	4	7	14	21	28		
Isooctane 0 mg/kg	n	10	10	10	10	10	10	10	10
	Mean	246.0	249.3	260.2	264.7	271.7	275.3	29.3	
	S.D.	10.5	8.4	9.5	12.6	14.1	11.9	7.5	
Isooctane 300 mg/kg	n	10	10	10	10	10	10	10	10
	Mean	247.4	249.1	257.6	260.5	263.5	265.1	17.7	
	S.D.	10.8	7.7	9.3	12.0	12.9	9.5	9.3	T2 *
									T2 **

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05, \*\* P&lt;0.01

T2 : Student t-test (two-side)

Table 8 - 6

Study No. : SR19178

Test article Dose	Sex : Male	Period : Recovery Day 1-14					Unit : g	Species : Rat
		/Day	1	7	14	Body weight gain		
Isooctane 0 mg/kg	n	5	5	5	5	5		
	Mean	535.8	551.2	567.0	31.2			
	S.D.	22.6	24.0	29.8	9.6			
Isooctane 300 mg/kg	n	5	5	5	5			
	Mean	475.8	489.0	509.6	33.8			
	S.D.	27.3	25.6	24.6	3.8			
	T2 **	T2 **	T2 **					

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05, \*\* P&lt;0.01

T2 : Student t-test (two-side)

Table 8 - 7

Study No. : SR19178

Test article Dose	Body weight Sex : Female (satellite)		Period : Recovery Day 1-14			Unit : g	Species : Rat
	/Day		1	7	14	Body weight gain	
Isooctane 0 mg/kg	n	5	5	5	5	5	
	Mean	273.6	284.8	289.2	15.6		
	S.D.	20.9	22.8	22.2	6.7		
Isooctane 300 mg/kg	n	5	5	5	5		
	Mean	268.2	274.4	284.0	15.8		
	S.D.	14.9	9.0	10.9	6.1		

Not significantly different from Isooctane 0 mg/kg

Table 9 - 1

Study No. : SR19178

Test article	Food consumption Sex : Male /Day	Period : Administration Day 1-28				Unit : g	Species : Rat
		4	7	14	28		
Isooctane	n	12	12	12	11		
0 mg/kg	Mean	24.28	24.42	24.33	23.55		
	S.D.	1.51	2.16	2.17	2.91		
Isooctane	n	12	12	12	12		
30 mg/kg	Mean	22.98	23.64	23.22	22.09		
	S.D.	1.97	2.17	2.25	2.84		
Isooctane	n	12	12	12	12		
100 mg/kg	Mean	23.07	23.32	23.09	20.96		
	S.D.	2.18	2.28	1.95	1.97		
Isooctane	n	12	12	12	12		
300 mg/kg	Mean	21.13	18.55	19.56	19.68		
	S.D.	2.26	4.16	2.74	2.62		
	DT **	DT **	DT **	DT **	DT **		

Significantly different from Isooctane 0 mg/kg: \*\* P&lt;0.01

DT : Dunnett test (two-side)

Table 9 - 2

Study No. : SR19178

Test article Dose	Food consumption Sex : Female /Day			Period : F0 before mating Day 1-14	Unit : g	Species : Rat
	4	7	14			
Isooctane 0 mg/kg	n	12	12	12		
	Mean	16.04	16.44	16.10		
	S.D.	1.50	1.81	1.25		
Isooctane 30 mg/kg	n	12	12	12		
	Mean	16.20	16.03	15.78		
	S.D.	1.81	2.71	1.54		
Isooctane 100 mg/kg	n	12	12	12		
	Mean	15.61	15.77	15.97		
	S.D.	1.15	2.12	2.29		
Isooctane 300 mg/kg	n	12	12	12		
	Mean	15.36	16.63	15.66		
	S.D.	2.08	2.81	2.30		

Not significantly different from Isooctane 0 mg/kg

Table 9 - 3

Study No. : SR19178

Test article Dose	Food consumption Sex : Female /Day			Period : F0 gestation Day 0-20	Unit : g	Species : Rat
	7	14	20			
Isooctane 0 mg/kg	n Mean S.D.	12 21.24 2.86	12 23.53 2.73	12 23.02 1.96		
Isooctane 30 mg/kg	n Mean S.D.	11 21.61 2.56	12 23.63 3.80	12 23.26 4.27		
Isooctane 100 mg/kg	n Mean S.D.	11 21.09 2.15	11 23.45 3.13	11 22.28 2.78		
Isooctane 300 mg/kg	n Mean S.D.	12 19.61 2.06	12 21.61 2.21	12 21.88 2.16		

Not significantly different from Isooctane 0 mg/kg

Table 9 - 4

Study No. : SR19178

Test article Dose	Food consumption Sex : Female /Day			Period : F0 lactation Day 0-13	Unit : g	Species : Rat
	4	7	13			
Isooctane 0 mg/kg	n Mean S.D.	11 30.32 1.84	11 41.94 3.66	11 52.69 3.08		
Isooctane 30 mg/kg	n Mean S.D.	10 30.35 3.71	10 43.37 4.49	10 53.17 4.25		
Isooctane 100 mg/kg	n Mean S.D.	11 28.93 4.49	11 41.78 3.38	11 51.37 3.75		
Isooctane 300 mg/kg	n Mean S.D.	12 26.93 4.55	12 38.28 3.15	12 52.48 4.81		

Not significantly different from Isooctane 0 mg/kg

Table 9 - 5

Study No. : SR19178

Test article Dose	Food consumption Sex : Female (satellite)		Period : Administration Day 1-28				Unit : g	Species : Rat
	/Day		4	7	14	21		
Isooctane 0 mg/kg	n	10	10	10	10	10	10	
	Mean	15.69	16.56	15.54	15.75	15.19		
	S.D.	1.38	2.09	1.38	1.76	1.63		
Isooctane 300 mg/kg	n	10	10	10	10	10	10	
	Mean	14.75	15.05	14.73	14.32	14.00		
	S.D.	1.17	1.52	0.94	0.94	0.98		
					T2 *			

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05

T2 : Student t-test (two-side)

Table 9 - 6

Study No. : SR19178

Test article	Food consumption		Period : Recovery Day 1-14	Unit : g	Species : Rat
	Sex : Male	/Day			
Dose		7	14		
Isooctane	n	5	5		
0 mg/kg	Mean	26.80	27.70		
	S.D.	2.92	3.33		
Isooctane	n	5	5		
300 mg/kg	Mean	24.84	25.20		
	S.D.	1.33	0.89		

Not significantly different from Isooctane 0 mg/kg

Table 9 - 7

Study No. : SR19178

Test article	Food consumption		Period : Recovery Day 1-14	Unit : g	Species : Rat
	Sex : Female (satellite)	/Day			
Dose		7	14		
Isooctane	n	5	5		
0 mg/kg	Mean	20.64	19.22		
	S.D.	2.68	2.64		
Isooctane	n	5	5		
300 mg/kg	Mean	17.66	17.14		
	S.D.	1.03	0.68		
	T2 *				

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05

T2 : Student t-test (two-side)

Table 10 - 1

Study No. : SR19178

Urinary findings Sex : Male		Stage : Week 4							Species : Rat	
		pH								
<b>Test article</b>										
Dose		5.0	6.0	6.5	7.0	7.5	8.0	8.5		
Isooctane	n	0	0	0	0	0	0	0	5	
0 mg/kg										
Isooctane	n	0	0	0	0	0	0	0	5	
30 mg/kg										
Isooctane	n	0	0	0	0	0	0	0	5	
100 mg/kg										
Isooctane	n	0	0	0	0	0	1	4		
300 mg/kg										
Glucose										
Dose		-	+	2+	3+	-	±	+	2+	3+
Isooctane	n	5	0	0	0	5	0	0	0	0
0 mg/kg										
Isooctane	n	5	0	0	0	5	0	0	0	0
30 mg/kg										
Isooctane	n	5	0	0	0	5	0	0	0	0
100 mg/kg										
Isooctane	n	5	0	0	0	5	0	0	0	0
300 mg/kg										
 <hr/>										

Not significantly different from Isooctane 0 mg/kg

Table 10 - 2

Study No. : SR19178

Urinary findings Sex : Male		Stage : Week 4								Species : Rat			
Test article	Dose	Urobilinogen						Bilirubin					
		0.1	1	2	4	8	-	+	2+	0	3+		
Isooctane	n	5	0	0	0	0	-	5	0	0	0		
0 mg/kg													
Isooctane	n	5	0	0	0	0	0	5	0	0	0		
30 mg/kg													
Isooctane	n	5	0	0	0	0	0	5	0	0	0		
100 mg/kg													
Isooctane	n	5	0	0	0	0	0	5	0	0	0		
300 mg/kg													
<hr/>													
Occult blood													
Test article	Dose	Color											
		-	±	+	2+	3+	A	B	C	D			
Isooctane	n	5	0	0	0	0	0	5	0	0	0		
0 mg/kg													
Isooctane	n	5	0	0	0	0	0	5	0	0	0		
30 mg/kg													
Isooctane	n	5	0	0	0	0	0	5	0	0	0		
100 mg/kg													
Isooctane	n	5	0	0	0	0	0	5	0	0	0		
300 mg/kg													

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Not significantly different from Isooctane 0 mg/kg

Table 10 - 3

Study No. : SR19178

Urinary findings Sex : Male		Stage : Week 4						Species : Rat
Test article	Dose	Protein						
		-	±	+	2+	3+	4+	
Isooctane	n	0	0	3	2	0	0	
0 mg/kg								
Isooctane	n	0	2	0	3	0	0	
30 mg/kg								
Isooctane	n	0	2	2	1	0	0	
100 mg/kg								
Isooctane	n	0	0	2	3	0	0	
300 mg/kg								

Not significantly different from Isooctane 0 mg/kg

Table 10 - 4

Study No. : SR19178

Urinary findings Sex : Male		Stage : Week 4	Species : Rat
Urine volume			
Test article		mL/21hr	
Dose			
Isooctane	n	5	
0 mg/kg	Mean	8.30	
	S.D.	1.44	
Isooctane	n	5	
30 mg/kg	Mean	9.60	
	S.D.	3.76	
Isooctane	n	5	
100 mg/kg	Mean	12.10	
	S.D.	1.39	
	ST *		
Isooctane	n	5	
300 mg/kg	Mean	16.20	
	S.D.	6.09	
	ST *		

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05

ST : Steel test (two-side)

Table 10 - 5

Study No. : SR19178

Urinary findings Sex : Male		Stage : Week 4							Species : Rat		
		Specific gravity									
Test article	Dose	0	1	2	3	4	5				
Isooctane	n	0	0	0	0	0	5				
0 mg/kg											
Isooctane	n	0	0	0	0	3	2				
30 mg/kg											
Isooctane	n	0	0	0	1	3	1				
100 mg/kg											
Isooctane	n	0	0	1	0	3	1				
300 mg/kg											
ST \$											
RBC											
Test article	Dose	-	±	+	2+	3+	-	±	+	2+	3+
Isooctane	n	-	5	0	0	0	-	5	0	0	0
0 mg/kg											
Isooctane	n	5	0	0	0	0	5	0	0	0	0
30 mg/kg											
Isooctane	n	5	0	0	0	0	5	0	0	0	0
100 mg/kg											
Isooctane	n	5	0	0	0	0	5	0	0	0	0
300 mg/kg											

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050&lt;

Significantly different from Isooctane 0 mg/kg: \$ P&lt;0.05

ST : Steel test (two-side)

Table 10 - 6

Study No. : SR19178

Urinary findings Sex : Male		Stage : Week 4							Species : Rat				
		Squamous						Round					
Test article	Dose	-	±	+	2+	3+	-	±	+	2+	3+		
Isooctane	n	-	5	0	0	0	-	5	0	0	0		
0 mg/kg													
Isooctane	n	4	1	0	0	0	5	0	0	0	0		
30 mg/kg													
Isooctane	n	5	0	0	0	0	5	0	0	0	0		
100 mg/kg													
Isooctane	n	5	0	0	0	0	5	0	0	0	0		
300 mg/kg													
<hr/>													
Small round													
Test article	Dose	-	±	+	2+	3+	-	±	+	2+	3+		
Isooctane	n	-	5	0	0	0	-	5	0	0	0		
0 mg/kg													
Isooctane	n	5	0	0	0	0	5	0	0	0	0		
30 mg/kg													
Isooctane	n	5	0	0	0	0	5	0	0	0	0		
100 mg/kg													
Isooctane	n	5	0	0	0	0	5	0	0	0	0		
300 mg/kg													
<hr/>													
Cast													

Not significantly different from Isooctane 0 mg/kg

Table 10 - 7

Study No. : SR19178

Urinary findings Sex : Female (satellite)		Stage : Week 4								Species : Rat	
		pH									
<b>Test article</b>											
Dose		5.0	6.0	6.5	7.0	7.5	8.0	8.5			
Isooctane	n	0	0	0	2	1	0	2			
0 mg/kg									2		
Isooctane	n	0	0	1	0	2	1	1			
300 mg/kg											
Glucose											
Dose		-	+	2+	3+	-	±	+	2+	3+	
Isooctane	n	5	0	0	0	5	0	0	0	0	
0 mg/kg											
Isooctane	n	5	0	0	0	5	0	0	0	0	
300 mg/kg											
Urobilinogen											
Dose		0.1	1	2	4	8	-	+	2+	3+	
Isooctane	n	5	0	0	0	0	5	0	0	0	
0 mg/kg											
Isooctane	n	5	0	0	0	0	5	0	0	0	
300 mg/kg											

Not significantly different from Isooctane 0 mg/kg

Table 10 - 8

Study No. : SR19178

Urinary findings Sex : Female (satellite)		Stage : Week 4						Species : Rat			
Test article	Dose	Occult blood						Color			
		-	±	+	2+	3+		A	B	C	D
Isooctane	n	-	4	0	1	2+	0	0	5	0	0
0 mg/kg											
Isooctane	n	5	0	0	0	0	0	5	0	0	0
300 mg/kg											
<hr/>											
Protein											
Test article	Dose										
		-	±	+	2+	3+	4+				
Isooctane	n	0	0	4	2+	1	0	0	0	0	0
0 mg/kg											
Isooctane	n	0	0	1	4	0	0	0	0	0	0
300 mg/kg											

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Not significantly different from Isooctane 0 mg/kg

Table 10 - 9

Study No. : SR19178

Urinary findings Sex : Female (satellite)		Stage : Week 4	Species : Rat
Urine volume			
Test article		mL/21hr	
Dose			
Isooctane	n	5	
0 mg/kg	Mean	8.10	
	S.D.	2.58	
Isooctane	n	5	
300 mg/kg	Mean	10.30	
	S.D.	4.74	

Not significantly different from Isooctane 0 mg/kg

Table 10 - 10

Study No. : SR19178

Urinary findings Sex : Female (satellite)		Stage : Week 4							Species : Rat			
		Specific gravity										
Test article	Dose	0	1	2	3	4	5					
Isooctane	n	0	0	0	0	1	1	2	2	2		
0 mg/kg												
Isooctane	n	0	0	1	1	1	2	1				
300 mg/kg												
RBC												
Test article	Dose	-	±	+	2+	3+		-	±	+	2+	3+
Isooctane	n	-	5	0	0	0	0	-	5	0	0	0
0 mg/kg												
Isooctane	n	5	0	0	0	0	0	5	0	0	0	0
300 mg/kg												
Squamous												
Test article	Dose	-	±	+	2+	3+		-	±	+	2+	3+
Isooctane	n	-	5	0	0	0	0	-	5	0	0	0
0 mg/kg												
Isooctane	n	5	0	0	0	0	0	5	0	0	0	0
300 mg/kg												

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<  
Not significantly different from Isooctane 0 mg/kg

Table 10 - 11

Study No. : SR19178

Urinary findings Sex : Female (satellite)		Stage : Week 4						Species : Rat													
Test article	Dose	Small round						Cast													
		-	5	±	0	+	0	2+	0	3+	0	-	5	±	0	+	0	2+	0	3+	0
Isooctane	n																				
Isooctane	0 mg/kg																				
Isooctane	300 mg/kg	n	5	0	0	0	0	0	0	0	0	-	5	0	0	0	0	0	0	0	

Not significantly different from Isooctane 0 mg/kg

Table 10 - 12

Study No. : SR19178

Urinary findings Sex : Male		Stage : Recovery week 2								Species : Rat	
		pH									
<b>Test article</b>											
Dose		5.0	6.0	6.5	7.0	7.5	8.0	8.5			
Isooctane	n	0	0	0	0	0	0	0	5		
0 mg/kg											
Isooctane	n	0	0	0	0	0	0	0	5		
300 mg/kg											
Glucose											
<b>Ketone body</b>											
Dose		-	+	2+	3+	-	±	+	2+	3+	
Isooctane	n	5	0	0	0	5	0	0	0	0	
0 mg/kg											
Isooctane	n	5	0	0	0	5	0	0	0	0	
300 mg/kg											
Urobilinogen											
<b>Bilirubin</b>											
Dose		0.1	1	2	4	8	-	+	2+	3+	
Isooctane	n	5	0	0	0	0	5	0	0	0	
0 mg/kg											
Isooctane	n	5	0	0	0	0	5	0	0	0	
300 mg/kg											

Not significantly different from Isooctane 0 mg/kg

Table 10 - 13

Study No. : SR19178

Urinary findings Sex : Male		Stage : Recovery week 2							Species : Rat		
Test article	Dose	Occult blood						Color			
		n	-	±	+	2+	3+	A	B	C	D
Isooctane	0 mg/kg			3	1	1	0	0	5	0	0
Isooctane	300 mg/kg	n	5	0	0	0	0	0	5	0	0
<hr/>											
Protein											
Test article	Dose	n	-	±	+	2+	3+	4+			
Isooctane	0 mg/kg	n	0	0	4	1	0	0			
Isooctane	300 mg/kg	n	0	0	5	0	0	0			

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Not significantly different from Isooctane 0 mg/kg

Table 10 - 14

Study No. : SR19178

Urinary findings Sex : Male		Stage : Recovery week 2	Species : Rat
Urine volume			
Test article		mL/21hr	
Dose			
Isooctane	n	5	
0 mg/kg	Mean	12.80	
	S.D.	2.51	
Isooctane	n	5	
300 mg/kg	Mean	13.60	
	S.D.	3.76	

Not significantly different from Isooctane 0 mg/kg

Table 10 - 15

Study No. : SR19178

Urinary findings Sex : Male		Stage : Recovery week 2							Species : Rat			
		Specific gravity										
Test article	Dose	0	1	2	3	4	5					
Isooctane	n	0	0	0	0	3	2	3				
0 mg/kg												
Isooctane	n	0	0	0	1	2	2					
300 mg/kg												
RBC												
Test article	Dose	-	±	+	2+	3+		-	±	+	2+	3+
Isooctane	n	-	5	0	0	0	0	-	5	0	0	0
0 mg/kg												
Isooctane	n	5	0	0	0	0	0	5	0	0	0	0
300 mg/kg												
Squamous												
Test article	Dose	-	±	+	2+	3+		-	±	+	2+	3+
Isooctane	n	-	5	0	0	0	0	-	5	0	0	0
0 mg/kg												
Isooctane	n	5	0	0	0	0	0	5	0	0	0	0
300 mg/kg												

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<  
Not significantly different from Isooctane 0 mg/kg

Table 10 - 16

Study No. : SR19178

Urinary findings		Stage : Recovery week 2										Species : Rat											
Sex : Male		Small round										Cast											
Test article	Dose	n	-	5	±	0	+	0	2+	0	3+	0	-	5	±	0	+	0	2+	0	3+	0	
Isooctane 0 mg/kg																							
Isooctane 300 mg/kg		n		5		0		0		0		0		5		0		0		0		0	

Not significantly different from Isooctane 0 mg/kg

Table 10 - 17

Study No. : SR19178

Urinary findings Sex : Female (satellite)		Stage : Recovery week 2								Species : Rat	
		pH									
<b>Test article</b>											
Dose		5.0	6.0	6.5	7.0	7.5	8.0	8.5			
Isooctane	n	0	0	0	0	0	1	4			
0 mg/kg											
Isooctane	n	0	0	0	0	0	0	4	1		
300 mg/kg											
Glucose											
Dose		-	+	2+	3+	-	±	+	2+	3+	
Isooctane	n	5	0	0	0	5	0	0	0	0	
0 mg/kg											
Isooctane	n	5	0	0	0	5	0	0	0	0	
300 mg/kg											
Urobilinogen											
Dose		0.1	1	2	4	8	-	+	2+	3+	
Isooctane	n	5	0	0	0	0	5	0	0	0	
0 mg/kg											
Isooctane	n	5	0	0	0	0	5	0	0	0	
300 mg/kg											

Not significantly different from Isooctane 0 mg/kg

Table 10 - 18

Study No. : SR19178

Urinary findings Sex : Female (satellite)		Stage : Recovery week 2						Species : Rat			
Test article	Dose	Occult blood						Color			
		-	±	+	2+	3+		A	B	C	D
Isooctane	n	-	4	1	0	2+	0	0	5	0	0
0 mg/kg											
Isooctane	n	5	0	0	0	0	0	5	0	0	0
300 mg/kg											
<hr/>											
Protein											
Test article	Dose										
		-	±	+	2+	3+	4+				
Isooctane	n	0	0	4	2+	1	0	0	0	0	0
0 mg/kg											
Isooctane	n	0	2	3	0	0	0	0	0	0	0
300 mg/kg											

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Not significantly different from Isooctane 0 mg/kg

Table 10 - 19

Study No. : SR19178

Urinary findings Sex : Female (satellite)		Stage : Recovery week 2	Species : Rat
		Urine volume	
Test article		mL/21hr	
Dose			
Isooctane	n	5	
0 mg/kg	Mean	9.90	
	S.D.	3.29	
Isooctane	n	5	
300 mg/kg	Mean	8.30	
	S.D.	3.65	

Not significantly different from Isooctane 0 mg/kg

Table 10 - 20

Study No. : SR19178

Urinary findings Sex : Female (satellite)		Stage : Recovery week 2							Species : Rat			
		Specific gravity										
Test article	Dose	0	1	2	3	4	5					
Isooctane	n	0	0	0	0	1	2	2				
0 mg/kg												
Isooctane	n	0	0	0	0	0	3	2				
300 mg/kg												
RBC												
Test article	Dose	-	±	+	2+	3+		-	±	+	2+	3+
Isooctane	n	-	5	0	0	0	0	-	5	0	0	0
0 mg/kg												
Isooctane	n	5	0	0	0	0	0	5	0	0	0	0
300 mg/kg												
Squamous												
Test article	Dose	-	±	+	2+	3+		-	±	+	2+	3+
Isooctane	n	-	5	0	0	0	0	-	5	0	0	0
0 mg/kg												
Isooctane	n	5	0	0	0	0	0	5	0	0	0	0
300 mg/kg												

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<  
Not significantly different from Isooctane 0 mg/kg

Table 10 - 21

Study No. : SR19178

Urinary findings Sex : Female (satellite)		Stage : Recovery week 2						Species : Rat													
Test article	Dose	Small round						Cast													
		-	5	±	0	+	0	2+	0	3+	0	-	5	±	0	+	0	2+	0	3+	0
Isooctane	n																				
Isooctane	0 mg/kg																				
Isooctane	300 mg/kg	n	5	0	0	0	0	0	0	0	0	-	5	0	0	0	0	0	0	0	

Not significantly different from Isooctane 0 mg/kg

Table 11 - 1

Study No. : SR19178

	Hematological findings		Stage : Day 29						Species : Rat			
	Sex : Male		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil
Test article			10 <sup>4</sup> /µL	g/dL	%	fL	pg	g/dL	%	10 <sup>4</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL
Dose												
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	879.0	15.44	43.24	49.22	17.60	35.70	3.544	110.70	97.36	18.16	
	S.D.	28.6	0.38	1.16	1.46	0.63	0.47	0.343	13.84	35.06	10.49	
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
30 mg/kg	Mean	858.0	15.46	42.84	49.98	18.06	36.08	2.986	114.82	102.08	15.36	
	S.D.	31.0	0.29	0.63	1.62	0.54	0.16	0.579	21.20	9.79	4.57	
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	846.0	15.64	44.02	52.06	18.48	35.54	3.070	108.44	89.38	19.80	
	S.D.	41.5	0.63	2.15	2.65	0.76	0.43	0.459	17.69	12.68	7.38	
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	799.6	14.86	41.44	52.02	18.66	35.90	3.056	81.48	98.26	23.22	
	S.D.	87.6	1.01	3.30	2.89	1.00	0.70	0.812	52.05	30.09	13.67	
			Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article			10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	sec	sec				
Dose												
Isooctane	n	5	5	5	5	5	5	5				
0 mg/kg	Mean	73.48	4.56	1.10	0.06	16.34	19.04					
	S.D.	22.77	2.40	0.39	0.05	1.68	1.99					
Isooctane	n	5	5	5	5	5	5	5				
30 mg/kg	Mean	81.10	4.18	1.38	0.06	16.30	17.80					
	S.D.	12.55	1.31	0.43	0.05	0.91	0.84					
Isooctane	n	5	5	5	5	5	5	5				
100 mg/kg	Mean	64.50	3.90	1.16	0.02	16.56	19.64					
	S.D.	13.37	1.66	0.38	0.04	0.91	1.44					
Isooctane	n	5	5	5	5	5	5	5				
300 mg/kg	Mean	70.80	3.52	0.68	0.04	18.44	20.70					
	S.D.	18.30	1.49	0.29	0.09	2.25	2.43					

Not significantly different from Isooctane 0 mg/kg

Table 11 - 2

Study No. : SR19178

	Hematological findings		Stage : Day 14 after delivery						Species : Rat			
	Sex : Female		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil
Test article			10 <sup>4</sup> /µL	g/dL	%	fL	pg	g/dL	%	10 <sup>4</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL
Dose												
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	761.4	15.08	41.52	54.58	19.84	36.32	4.034	110.54	110.42	48.86	
	S.D.	26.8	0.34	1.18	1.86	0.62	0.40	0.669	14.26	12.63	3.18	
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
30 mg/kg	Mean	761.0	15.34	42.58	56.14	20.22	36.04	4.034	117.40	87.56	36.74	
	S.D.	32.7	0.78	2.29	5.43	1.90	0.33	0.339	10.32	16.99	7.37	
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	749.4	15.22	42.62	56.98	20.36	35.72	4.110	113.76	110.66	46.38	
	S.D.	35.5	0.22	0.83	3.59	0.84	0.88	0.294	17.99	17.96	9.81	
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	779.8	15.58	43.06	55.26	19.98	36.20	5.306	110.54	99.04	44.32	
	S.D.	23.1	0.53	1.81	2.82	0.67	0.66	0.478	12.97	17.77	6.97	
								DT **				
			Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article			10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	sec	sec				
Dose												
Isooctane	n	5	5	5	5	5	5	5				
0 mg/kg	Mean	57.12	3.46	0.92	0.06	16.56	14.78					
	S.D.	13.35	1.91	0.48	0.05	0.36	1.08					
Isooctane	n	5	5	5	5	5	5	5				
30 mg/kg	Mean	46.22	3.80	0.76	0.04	16.20	14.90					
	S.D.	16.36	1.56	0.34	0.05	0.35	0.68					
Isooctane	n	5	5	5	5	5	5	5				
100 mg/kg	Mean	58.44	4.88	0.94	0.02	16.60	14.92					
	S.D.	23.00	1.38	0.56	0.04	0.84	1.20					
Isooctane	n	5	5	5	5	5	5	5				
300 mg/kg	Mean	49.46	4.28	0.96	0.02	16.30	15.10					
	S.D.	17.00	1.42	0.32	0.04	0.72	1.27					

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05, \*\* P&lt;0.01

DT : Dunnett test (two-side)

Table 11 - 3

Study No. : SR19178

	Hematological findings Sex : Female (satellite)		Stage : Day 29						Species : Rat			
			RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil
Test article			10 <sup>4</sup> /µL	g/dL	%	fL	pg	g/dL	%	10 <sup>4</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL
Dose												
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	817.2	14.84	41.32	50.64	18.18	35.90	2.940	101.66	55.74	10.86	
	S.D.	52.2	0.46	0.91	2.40	0.77	0.54	0.631	7.14	14.85	3.32	
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	794.0	14.38	39.94	50.34	18.14	36.00	2.764	97.20	25.12	4.68	
	S.D.	33.6	0.36	0.98	1.17	0.36	0.28	0.725	11.00	16.54	2.09	
			T2 *							T2 *	T2 **	
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT					
Test article		10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	sec	sec					
Dose												
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	42.06	1.82	1.00	0.00	15.68	14.32					
	S.D.	15.68	0.43	0.41	0.00	0.77	0.82					
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	19.28	0.84	0.32	0.00	15.48	13.96					
	S.D.	13.51	0.84	0.23	0.00	0.75	1.01					
		T2 *	T2 *	T2 *								

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05, \*\* P&lt;0.01

T2 : Student t-test (two-side)

Table 11 - 4

Study No. : SR19178

	Hematological findings		Stage : Recovery day 15						Species : Rat			
	Sex : Male		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil
Test article			10 <sup>4</sup> /µL	g/dL	%	fL	pg	g/dL	%	10 <sup>4</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL
Dose												
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	896.0	15.76	43.52	48.68	17.62	36.22	2.870	117.16	68.60	15.02	
	S.D.	58.1	0.62	1.90	2.60	0.89	0.36	0.379	9.39	3.04	2.76	
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	887.4	15.80	43.04	48.54	17.84	36.70	3.190	125.60	77.30	14.12	
	S.D.	34.5	0.51	1.25	1.94	0.80	0.45	0.529	3.80	12.06	3.73	
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT					
Test article		10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	sec	sec					
Dose												
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	48.54	3.92	1.12	0.00	19.04	19.70					
	S.D.	1.56	1.13	0.33	0.00	2.99	4.07					
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	58.68	3.32	1.16	0.02	17.62	19.62					
	S.D.	10.95	0.34	0.52	0.04	1.88	1.86					

Not significantly different from Isooctane 0 mg/kg

Table 11 - 5

Study No. : SR19178

	Hematological findings		Stage : Recovery day 15						Species : Rat			
	Sex : Female (satellite)		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil
Test article			10 <sup>4</sup> /µL	g/dL	%	fL	pg	g/dL	%	10 <sup>4</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL
Dose												
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	817.8	15.20	42.20	51.62	18.60	36.04	2.810	102.38	53.84	11.18	
	S.D.	38.5	0.72	2.25	1.32	0.47	0.27	0.672	14.09	16.21	2.71	
Isooctane	n	5	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	846.4	15.32	42.40	50.12	18.12	36.16	2.936	125.64	49.42	7.42	
	S.D.	45.5	0.67	2.10	0.84	0.31	0.28	0.426	11.41	5.63	1.11	T2 *
	Lymphocyte	10 <sup>2</sup> /µL	Monocyte	10 <sup>2</sup> /µL	Eosinophil	10 <sup>2</sup> /µL	Basophil	PT	APTT			
Test article								sec	sec			
Dose												
Isooctane	n	5	5	5	5	5	5	5	5			
0 mg/kg	Mean	40.18	1.60	0.88	0.00	16.54	14.36					
	S.D.	17.79	0.23	0.23	0.00	0.50	0.77					
Isooctane	n	5	5	5	5	5	5	5	5			
300 mg/kg	Mean	39.78	1.50	0.72	0.00	17.02	14.98					
	S.D.	4.71	0.29	0.35	0.00	0.35	1.79					

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05

T2 : Student t-test (two-side)

Table 12 - 1

Study No. : SR19178

Biochemical findings Sex : Male		Stage : Day 29							Species : Rat		
		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP
Test article		IU/L	IU/L	IU/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL
Dose											
Isooctane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	67.8	31.6	546.4	0.36	0.082	17.10	157.0	53.8	36.2	5.56
	S.D.	10.1	7.0	186.5	0.11	0.018	13.03	8.5	12.0	14.6	0.18
Isooctane	n	5	5	5	5	5	5	5	5	5	5
30 mg/kg	Mean	58.0	25.4	448.8	0.54	0.064	6.74	146.4	51.4	35.4	5.30
	S.D.	5.4	3.0	150.1	0.05	0.009	2.56	18.8	8.3	21.1	0.19
Isooctane	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	57.8	30.4	348.0	0.46	0.058	8.38	143.0	56.0	28.2	5.50
	S.D.	7.3	9.4	86.1	0.18	0.011	5.05	9.5	12.7	12.9	0.22
		DT *									
Isooctane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	44.0	21.0	363.8	0.56	0.066	7.16	146.4	65.0	34.8	5.70
	S.D.	5.8	2.8	137.4	0.19	0.009	1.92	19.0	10.7	20.0	0.38
		DT **	DT *								
		UN	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	A albumin
Test article		mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%
Dose											
Isooctane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	11.80	0.306	145.0	4.702	107.0	9.44	6.22	0.970	2.728	49.12
	S.D.	1.32	0.021	1.6	0.110	1.2	0.43	0.33	0.080	0.103	2.04
Isooctane	n	5	5	5	5	5	5	5	5	5	5
30 mg/kg	Mean	13.02	0.340	144.8	4.766	106.0	9.34	6.66	0.952	2.566	48.52
	S.D.	1.39	0.034	0.8	0.309	0.7	0.21	0.40	0.145	0.119	3.84
Isooctane	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	11.40	0.308	146.0	4.702	105.8	9.32	6.32	0.934	2.654	48.26
	S.D.	1.03	0.035	1.0	0.097	1.3	0.19	0.47	0.038	0.070	1.06
Isooctane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	14.78	0.284	145.4	4.672	105.0	9.68	6.72	0.884	2.676	46.92
	S.D.	2.41	0.037	0.9	0.501	0.7	0.41	0.67	0.050	0.207	1.38
		DT *				DT *					

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05, \*\* P&lt;0.01

DT : Dunnett test (two-side)

Table 12 - 2

Study No. : SR19178

Sex : Male	Biochemical findings				Stage : Day 29	Species : Rat
	$\alpha$ 1-G	$\alpha$ 2-G	$\beta$ -G	$\gamma$ -G		
Test article		%	%	%	%	
Dose						
Isooctane	n	5	5	5	5	
0 mg/kg	Mean	21.46	9.06	15.92	4.44	
	S.D.	1.79	0.63	0.87	0.93	
Isooctane	n	5	5	5	5	
30 mg/kg	Mean	19.64	9.50	16.66	5.68	
	S.D.	3.09	0.97	1.02	1.50	
Isooctane	n	5	5	5	5	
100 mg/kg	Mean	21.36	9.26	16.16	4.96	
	S.D.	1.30	1.06	1.53	1.10	
Isooctane	n	5	5	5	5	
300 mg/kg	Mean	21.64	9.80	16.94	4.70	
	S.D.	1.66	0.96	1.21	0.75	

Not significantly different from Isooctane 0 mg/kg

Table 12 - 3

Study No. : SR19178

Biochemical findings Sex : Female		Stage : Day 14 after delivery							Species : Rat		
		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP
Test article	IU/L	IU/L	IU/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	mg/dL	g/dL
<b>Dose</b>											
Isooctane		n	5	5	5	5	5	5	5	5	5
0 mg/kg		Mean	131.4	78.6	442.4	0.50	0.054	22.28	133.8	100.2	81.8
		S.D.	67.5	42.8	61.4	0.24	0.005	7.63	11.8	18.6	5.82
Isooctane		n	5	5	5	5	5	5	5	5	5
30 mg/kg		Mean	104.2	60.4	285.8	0.44	0.054	30.32	128.4	106.0	59.0
		S.D.	13.4	8.4	76.9	0.13	0.005	15.60	7.2	16.9	5.72
Isooctane		n	5	5	5	5	5	5	5	5	5
100 mg/kg		Mean	104.6	57.0	373.2	1.02	0.060	36.52	135.0	98.2	75.8
		S.D.	19.1	10.7	123.9	0.72	0.019	39.41	14.9	12.7	5.84
Isooctane		n	5	5	5	5	5	5	5	5	5
300 mg/kg		Mean	115.4	61.8	369.2	0.84	0.044	28.74	128.6	99.4	76.2
		S.D.	19.7	11.5	77.5	0.15	0.022	11.73	8.2	18.6	5.80
		UN	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	A albumin
Test article	Dose	mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL	g/dL	%	
Isooctane		n	5	5	5	5	5	5	5	5	5
0 mg/kg		Mean	22.60	0.424	136.6	4.314	98.2	9.36	8.08	0.904	2.756
		S.D.	3.66	0.018	1.1	0.311	1.5	0.48	0.32	0.069	0.181
Isooctane		n	5	5	5	5	5	5	5	5	5
30 mg/kg		Mean	21.78	0.408	134.0	4.358	96.0	9.36	7.78	0.920	2.740
		S.D.	1.56	0.046	2.5	0.349	3.1	0.40	1.54	0.047	0.220
Isooctane		n	5	5	5	5	5	5	5	5	5
100 mg/kg		Mean	21.20	0.410	134.2	4.294	96.8	9.36	7.92	0.900	2.762
		S.D.	2.35	0.016	1.8	0.517	4.1	0.47	1.78	0.039	0.084
Isooctane		n	5	5	5	5	5	5	5	5	5
300 mg/kg		Mean	25.96	0.420	133.4	4.588	94.8	9.52	9.90	0.932	2.796
		S.D.	6.29	0.037	3.4	0.624	3.3	0.68	1.73	0.060	0.188
Significantly different from Isooctane 0 mg/kg: * P<0.05											
DT : Dunnett test (two-side)											

Table 12 - 4

Study No. : SR19178

	Biochemical findings				Species : Rat
	Stage : Day 14 after delivery				
Sex : Female	$\alpha$ 1-G	$\alpha$ 2-G	$\beta$ -G	$\gamma$ -G	
Test article		%	%	%	%
Dose					
Isooctane	n	5	5	5	5
0 mg/kg	Mean	20.94	9.94	17.12	4.62
	S.D.	0.67	1.47	0.48	0.63
Isooctane	n	5	5	5	5
30 mg/kg	Mean	20.40	11.02	17.14	3.56
	S.D.	1.66	1.96	1.16	0.44
Isooctane	n	5	5	5	5
100 mg/kg	Mean	21.18	10.02	17.00	4.46
	S.D.	1.86	1.22	0.58	1.15
Isooctane	n	5	5	5	5
300 mg/kg	Mean	20.32	10.24	17.34	3.86
	S.D.	3.47	1.12	1.29	1.29

Not significantly different from Isooctane 0 mg/kg

Table 12 - 5

Study No. : SR19178

Biochemical findings Sex : Female (satellite)		Stage : Day 29							Species : Rat		
		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP
Test article		IU/L	IU/L	IU/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL
Dose											
Isooctane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	81.8	33.0	262.4	0.74	0.068	11.68	140.2	59.4	9.6	6.10
	S.D.	35.4	11.1	50.5	0.18	0.011	5.30	18.4	16.8	2.5	0.60
Isooctane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	56.4	22.8	170.2	1.00	0.060	11.78	137.6	67.4	10.8	6.16
	S.D.	12.2	7.1	39.2	0.37	0.016	4.03	17.0	13.0	1.1	0.36
		T2 *									
Test article		UN	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin
Dose		mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%
Isooctane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	15.16	0.388	143.4	4.082	107.2	9.48	5.16	1.112	3.214	52.54
	S.D.	0.72	0.041	1.1	0.198	1.1	0.28	1.15	0.123	0.459	2.78
Isooctane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	15.12	0.354	144.2	4.330	107.8	9.66	5.88	1.064	3.170	51.50
	S.D.	2.94	0.034	1.1	0.447	1.1	0.35	0.72	0.077	0.220	1.88
Test article		α1-G	α2-G	β-G	γ-G						
Dose		%	%	%	%						
Isooctane	n	5	5	5	5						
0 mg/kg	Mean	18.22	8.48	14.96	5.80						
	S.D.	1.83	0.72	0.57	1.42						
Isooctane	n	5	5	5	5						
300 mg/kg	Mean	17.60	9.22	15.78	5.90						
	S.D.	1.26	1.40	1.11	1.26						

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05

T2 : Student t-test (two-side)

Table 12 - 6

Study No. : SR19178

Biochemical findings Sex : Male		Stage : Recovery day 15							Species : Rat		
		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose			
Test article		IU/L	IU/L	IU/L	IU/L	mg/dL	μmol/L	mg/dL	T-Cho	TG	TP
Dose											
Isooctane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	59.2	25.8	302.2	0.48	0.046	6.08	145.8	55.4	47.0	5.54
	S.D.	5.0	4.7	26.5	0.16	0.009	3.29	5.2	10.2	20.9	0.29
Isooctane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	56.2	28.8	311.4	0.72	0.058	11.86	140.4	80.0	37.4	5.68
	S.D.	13.2	9.2	51.8	0.44	0.022	7.68	12.7	9.8	6.3	0.31
									T2 **		
		UN	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin
Test article		mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%
Dose											
Isooctane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	13.30	0.286	142.8	4.464	105.4	9.30	5.90	0.828	2.510	45.32
	S.D.	2.51	0.035	0.8	0.097	0.9	0.33	0.47	0.067	0.139	1.99
Isooctane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	14.52	0.280	142.6	4.520	104.2	9.42	6.24	0.834	2.578	45.40
	S.D.	2.32	0.031	1.7	0.125	1.5	0.24	0.51	0.095	0.200	2.88
		α1-G	α2-G	β-G	γ-G						
Test article		%	%	%	%						
Dose											
Isooctane	n	5	5	5	5						
0 mg/kg	Mean	23.74	9.30	16.80	4.84						
	S.D.	3.54	1.31	0.87	0.38						
Isooctane	n	5	5	5	5						
300 mg/kg	Mean	23.58	9.78	16.48	4.76						
	S.D.	5.21	1.92	0.94	1.51						

Significantly different from Isooctane 0 mg/kg: \*\* P&lt;0.01

T2 : Student t-test (two-side)

Table 12 - 7

Study No. : SR19178

Biochemical findings Sex : Female (satellite)		Stage : Recovery day 15							Species : Rat		
		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP
Test article		IU/L	IU/L	IU/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL
Dose											
Isooctane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	74.8	34.2	198.2	1.02	0.088	15.74	129.6	65.8	9.0	6.20
	S.D.	15.3	10.3	8.6	0.57	0.013	6.62	13.4	12.0	2.9	0.51
Isooctane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	62.0	23.2	160.4	1.00	0.094	16.72	132.4	70.8	13.0	6.14
	S.D.	12.0	5.0	24.9	0.20	0.017	7.27	11.3	14.5	5.6	0.23
		T2 *									
Test article		UN	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin
Dose		mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%
Isooctane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	16.62	0.342	141.4	4.218	106.0	9.54	5.38	1.038	3.156	50.84
	S.D.	1.62	0.031	0.9	0.314	1.0	0.22	0.49	0.094	0.369	2.27
Isooctane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	15.02	0.338	143.0	4.322	106.8	9.50	5.22	1.020	3.098	50.46
	S.D.	2.32	0.030	0.7	0.282	1.1	0.14	0.62	0.071	0.164	1.70
		T2 *									
Test article		α1-G	α2-G	β-G	γ-G						
Dose		%	%	%	%						
Isooctane	n	5	5	5	5						
0 mg/kg	Mean	17.86	8.74	15.38	7.18						
	S.D.	0.84	1.81	1.13	1.22						
Isooctane	n	5	5	5	5						
300 mg/kg	Mean	18.10	8.58	15.86	7.00						
	S.D.	1.62	0.75	1.37	0.57						

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05

T2 : Student t-test (two-side)

Table 13

Study No. : SR19178

Sex : Male		Stage : Day 29		Species : Rat
		T4		
Test article	Dose	ng/mL		
Isooctane	n	7		
0 mg/kg	Mean	49.24		
	S.D.	5.45		
Isooctane	n	12		
30 mg/kg	Mean	49.66		
	S.D.	4.75		
Isooctane	n	12		
100 mg/kg	Mean	50.03		
	S.D.	4.45		
Isooctane	n	7		
300 mg/kg	Mean	47.49		
	S.D.	6.67		

Not significantly different from Isooctane 0 mg/kg

Table 14 - 1

Study No. : SR19178

Necropsy findings Sex : Male		Stage : Day 29			Species : Rat
Organ Findings	Test article Dose	Isooctane mg/kg	Isooctane mg/kg	Isooctane mg/kg	Isooctane mg/kg
Spleen	Number of Animals	7	12	12	7
Large size	P	<7/7> 0	<12/12> 0	<12/12> 0	<6/7> 1
Other organs & tissues		<7/7>	<12/12>	<12/12>	<7/7>

&lt;&gt; : Not remarkable/Number of animals examined

P : Non-graded change

Table 14 - 2

Study No. : SR19178

Necropsy findings Sex : Female		Stage : Day 14 after delivery			Species : Rat
Organ Findings	Test article Dose	Isooctane mg/kg	Isooctane mg/kg	Isooctane mg/kg	Isooctane mg/kg
	Number of Animals	11	10	11	12
Thoracic skin		<11/11>	<9/10>	<11/11>	<11/12>
Mass, subcutaneous	P	0	1	0	1
Other organs & tissues		<11/11>	<10/10>	<11/11>	<12/12>

&lt;&gt; : Not remarkable/Number of animals examined

P : Non-graded change

Table 14 - 3

Study No. : SR19178

Necropsy findings		Stage : Death/euthanasia		Species : Rat
Sex : Female				
	Test article	Isooctane	Isooctane	
	Dose	0	30	
Organ		mg/kg	mg/kg	
Findings	Number of Animals	1	2	
All organs & tissues		<1/1>	<2/2>	

&lt;&gt; : Not remarkable/Number of animals examined

Table 14 - 4

Study No. : SR19178

Necropsy findings		Stage : Non-pregnancy	Species : Rat
Sex : Female			
	Test article	Isooctane	
	Dose	100	
Organ		mg/kg	
Findings	Number of Animals	1	
All organs & tissues		<1/1>	

&lt;&gt; : Not remarkable/Number of animals examined

Table 14 - 5

Study No. : SR19178

Necropsy findings		Stage : Day 29		Species : Rat
Organ	Findings	Test article	Isooctane	
		Dose	0	300
			mg/kg	mg/kg
			5	5
All organs & tissues		Number of Animals	<5/5>	<5/5>

&lt;&gt; : Not remarkable/Number of animals examined

Table 14 - 6

Study No. : SR19178

Necropsy findings		Stage : Recovery day 15		Species : Rat
Sex : Male				
	Test article	Isooctane	Isooctane	
	Dose	0	300	
Organ		mg/kg	mg/kg	
Findings	Number of Animals	5	5	
All organs & tissues		<5/5>	<5/5>	

&lt;&gt; : Not remarkable/Number of animals examined

Table 14 - 7

Study No. : SR19178

Necropsy findings Sex : Female (satellite)		Stage : Recovery day 15		Species : Rat
Organ	Findings	Test article	Isooctane	
		Dose	0	300
			mg/kg	mg/kg
	All organs & tissues	Number of Animals	5	5
	<> : Not remarkable/Number of animals examined		<5/5>	<5/5>

Table 15 - 1

Study No. : SR19178

Test article Dose	Sex : Male	Stage : Day 29										Species : Rat	
		Body weight		Liver		Kidney		Heart		Spleen			
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE mg/100g		
Isooctane 0 mg/kg	n Mean S.D.	7 515.4 48.2	7 13.447 1.551	7 2.610 0.155	7 3.183 0.362	7 0.621 0.071	7 1.539 0.148	7 0.300 0.035	7 834.4 142.6	7 162.561 30.142	7 7		
Isooctane 30 mg/kg	n Mean S.D.	12 505.3 40.7	12 13.126 1.372	12 2.598 0.178	12 3.481 0.491	12 0.692 0.112	12 1.522 0.167	12 0.301 0.027	12 733.7 66.1	12 145.992 16.760	12 12		
Isooctane 100 mg/kg	n Mean S.D.	12 499.8 34.1	12 14.142 1.636	12 2.825 0.224	12 3.714 0.702	12 0.740 0.117	12 1.478 0.152	12 0.296 0.022	12 759.2 85.2	12 151.846 11.971	12 12		
Isooctane 300 mg/kg	n Mean S.D. DT *DT **	7 448.3 46.0 DT *	7 14.987 1.649 DT **	7 3.347 0.260 DT **	7 3.726 0.272 DT **	7 0.836 0.073 DT **	7 1.356 0.198 DT **	7 0.301 0.021 DT **	7 822.9 459.6 DT **	7 188.689 121.307 DT **	7 7		
Thymus													
Test article Dose		AB mg		RE mg/100g		AB mg		RE mg/100g		AB mg			
Isooctane 0 mg/kg	n Mean S.D.	7 417.3 119.0	7 80.004 16.363	7 59.0 8.3	7 11.517 1.733	7 12.99 2.23	7 2.546 0.520	7 28.56 6.18	7 5.541 1.167	7 3.263 0.280	7 0.637 0.073		
Isooctane 30 mg/kg	n Mean S.D.	12 361.6 71.4	12 71.932 15.317	12 64.9 9.1	12 12.921 1.966	12 12.81 1.07	12 2.543 0.210	12 25.04 4.49	12 4.968 0.868	12 3.299 0.228	12 0.656 0.058		
Isooctane 100 mg/kg	n Mean S.D.	12 326.9 65.3	12 65.695 13.836	12 64.8 7.2	12 12.973 1.358	12 12.80 2.09	12 2.553 0.296	12 22.77 4.44	12 4.576 0.951	12 3.161 0.353	12 0.633 0.060		
Isooctane 300 mg/kg	n Mean S.D. DT **	7 215.1 66.7 DT **	7 47.537 12.072 DT **	7 64.6 12.0 DT **	7 14.310 1.323 DT **	7 11.90 0.77 DT **	7 2.674 0.285 DT **	7 26.94 10.06 DT **	7 5.939 1.765 DT **	7 3.540 0.403 DT **	7 0.791 0.066 DT **		

AB : Absolute weight, RE : Relative weight by body weight

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05, \*\* P&lt;0.01

DT : Dunnett test (two-side)

Table 15 - 2

Study No. : SR19178

Test article Dose	Organ weight Sex : Male		Stage : Day 29						Species : Rat	
	Epididymis		Prostate		Seminal vesicle		Brain			
	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE g/100g	AB g	RE g/100g		
Isooctane 0 mg/kg	n Mean S.D.	7 1.369 0.100	7 0.267 0.031	7 703.7 119.6	7 137.220 24.280	7 2.324 0.490	7 0.454 0.116	7 2.220 0.087	7 0.433 0.045	
Isooctane 30 mg/kg	n Mean S.D.	12 1.403 0.109	12 0.281 0.026	12 790.3 155.4	12 156.688 30.465	12 2.623 0.260	12 0.523 0.080	12 2.190 0.105	12 0.434 0.028	
Isooctane 100 mg/kg	n Mean S.D.	12 1.315 0.113	12 0.263 0.020	12 777.2 115.9	12 155.518 20.139	12 2.498 0.272	12 0.501 0.050	12 2.188 0.111	12 0.439 0.032	
Isooctane 300 mg/kg	n Mean S.D.	7 1.316 0.081	7 0.293 0.020	7 696.9 177.5	7 157.639 48.950	7 2.407 0.161	7 0.543 0.075	7 2.089 0.092	7 0.469 0.044	

AB : Absolute weight, RE : Relative weight by body weight

Not significantly different from Isooctane 0 mg/kg

Table 15 - 3

Study No. : SR19178

Organ weight		Stage : Day 14 after delivery								Species : Rat	
Sex : Female		Body weight		Liver		Kidney		Heart		Spleen	
Test article	Dose	n	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g	
		Mean			Mean		Mean		Mean		
Isooctane 0 mg/kg	n	11	11	11	11	11	11	11	11	11	
	Mean	326.4	11.127	3.407	2.203	0.675	1.082	0.332	554.1	169.929	
	S.D.	21.9	0.883	0.125	0.208	0.044	0.106	0.020	95.8	28.760	
Isooctane 30 mg/kg	n	10	10	10	10	10	10	10	10	10	
	Mean	326.0	11.172	3.433	2.163	0.669	1.146	0.352	534.1	164.174	
	S.D.	31.1	0.990	0.199	0.137	0.064	0.106	0.030	106.2	31.339	
Isooctane 100 mg/kg	n	11	11	11	11	11	11	11	11	11	
	Mean	322.6	11.075	3.436	2.149	0.667	1.066	0.330	601.2	186.648	
	S.D.	27.1	0.934	0.193	0.169	0.043	0.075	0.024	71.7	19.604	
Isooctane 300 mg/kg	n	12	12	12	12	12	12	12	12	12	
	Mean	310.8	11.658	3.750	2.111	0.682	1.038	0.334	565.3	182.279	
	S.D.	21.2	1.010	0.177	0.167	0.052	0.096	0.030	65.6	20.661	
DT **											
Thymus											
Test article	Dose	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
Isooctane 0 mg/kg	n	11	11	11	11	11	11	11	11	11	11
	Mean	214.3	65.253	76.1	23.412	16.16	4.964	20.19	6.188	106.0	32.662
	S.D.	58.8	15.327	7.6	2.844	2.79	0.903	2.38	0.636	12.9	4.908
Isooctane 30 mg/kg	n	10	10	10	10	10	10	10	10	10	10
	Mean	204.1	62.552	72.5	22.461	14.58	4.514	17.77	5.518	95.1	29.435
	S.D.	33.1	7.490	10.1	4.175	1.77	0.774	3.18	1.319	7.7	3.865
Isooctane 100 mg/kg	n	11	11	11	11	11	11	11	11	11	11
	Mean	201.5	62.665	72.5	22.616	14.84	4.602	17.67	5.464	110.6	34.475
	S.D.	53.2	17.274	6.2	2.812	1.83	0.463	3.10	0.793	11.4	4.243
Isooctane 300 mg/kg	n	12	12	12	12	12	12	12	12	12	12
	Mean	219.1	71.038	68.5	22.089	15.76	5.070	19.45	6.316	101.6	32.798
	S.D.	60.3	21.005	9.0	2.927	2.79	0.831	3.19	1.233	18.5	6.021

AB : Absolute weight, RE : Relative weight by body weight

Significantly different from Isooctane 0 mg/kg: \*\* P<0.01

DT : Dunnett test (two-side)

Table 15 - 4

Study No. : SR19178

Organ weight Sex : Female		Stage : Day 14 after delivery				Species : Rat
Test article	Dose	Uterus		Brain		
		AB mg	RE mg/100g	AB g	RE g/100g	
Isooctane	n	11	11	11	11	
0 mg/kg	Mean	545.4	167.263	2.020	0.620	
	S.D.	59.3	16.023	0.081	0.041	
Isooctane	n	10	10	10	10	
30 mg/kg	Mean	522.6	161.427	2.010	0.622	
	S.D.	38.2	17.629	0.069	0.058	
Isooctane	n	11	11	11	11	
100 mg/kg	Mean	557.2	172.445	1.992	0.620	
	S.D.	95.2	23.569	0.116	0.053	
Isooctane	n	12	12	12	12	
300 mg/kg	Mean	482.8	156.137	1.994	0.643	
	S.D.	59.5	22.886	0.076	0.047	

AB : Absolute weight, RE : Relative weight by body weight

Not significantly different from Isooctane 0 mg/kg

Table 15 - 5

Study No. : SR19178

Organ weight Sex : Female (satellite)				Stage : Day 29				Species : Rat			
		Body weight		Liver		Kidney		Heart		Spleen	
Test article	Dose	n	g	AB	RE g/100g	AB	RE g/100g	AB	RE g/100g	AB	RE mg/100g
Isooctane	0 mg/kg	Mean	261.8	5	5	5	5	5	5	5	5
		S.D.	8.6	0.640	0.179	0.158	0.047	0.065	0.020	55.5	17.121
Isooctane	300 mg/kg	Mean	249.2	5	5	5	5	5	5	5	5
		S.D.	4.6	0.549	0.260	0.090	0.040	0.073	0.032	30.5	13.458
		T2 *		T2 *		T2 *		T2 *		T2 **	T2 *
Thymus				Adrenal		Pituitary gland		Thyroid		Ovary	
Test article	Dose	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
Isooctane	0 mg/kg	Mean	347.0	5	5	5	5	5	5	5	5
		S.D.	52.4	20.184	6.0	2.175	3.04	1.122	4.87	1.886	23.7
Isooctane	300 mg/kg	Mean	273.0	5	5	5	5	5	5	5	5
		S.D.	62.8	25.671	10.9	4.074	1.98	0.734	3.82	1.604	10.1
		T2 *		T2 *		T2 *		T2 *		T2 *	
Uterus				Brain							
Test article	Dose	AB mg	RE mg/100g	AB g	RE g/100g						
Isooctane	0 mg/kg	Mean	633.6	5	5	5	5	5	5	5	5
		S.D.	102.1	36.613	0.094	0.037					
Isooctane	300 mg/kg	Mean	528.4	5	5	5	5	5	5	5	5
		S.D.	115.8	48.816	0.078	0.018					
					T2 *						

AB : Absolute weight, RE : Relative weight by body weight

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05, \*\* P&lt;0.01

T2 : Student t-test (two-side)

Table 15 - 6

Study No. : SR19178

		Stage : Recovery day 15								Species : Rat		
		Organ weight Sex : Male		Liver		Kidney		Heart		Spleen		
Test article	Dose	Body weight		AB	RE	AB	RE	AB	RE	AB	RE	
				g	g	g	g/100g	g	g/100g	mg	mg/100g	
Isooctane	0 mg/kg	n	5	5	5	5	5	5	5	5	5	
		Mean	531.6	13.814	2.594	3.354	0.632	1.480	0.278	746.2	140.898	
		S.D.	29.5	1.881	0.303	0.253	0.041	0.102	0.015	81.5	19.280	
Isooctane	300 mg/kg	n	5	5	5	5	5	5	5	5	5	
		Mean	473.4	12.610	2.660	3.394	0.718	1.404	0.298	764.4	161.986	
		S.D.	25.4	1.209	0.172	0.377	0.095	0.078	0.022	111.4	26.026	
T2 *												
		Thymus		Adrenal		Pituitary gland		Thyroid		Testis		
Test article	Dose	AB	RE	AB	RE	AB	RE	AB	RE	AB	RE	
		mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g	g	g/100g	
Isooctane	0 mg/kg	n	5	5	5	5	5	5	5	5	5	
		Mean	291.4	54.790	61.0	11.524	12.96	2.452	30.46	5.724	3.444	
		S.D.	40.4	6.795	6.2	1.575	2.42	0.552	8.67	1.555	0.220	
Isooctane	300 mg/kg	n	5	5	5	5	5	5	5	5	5	
		Mean	302.0	64.086	65.2	13.746	12.58	2.660	28.14	5.930	3.406	
		S.D.	111.4	24.817	11.2	2.006	1.44	0.291	5.98	1.092	0.446	
T2 *												
		Epididymis		Prostate		Seminal vesicle		Brain				
Test article	Dose	AB	RE	AB	RE	AB	RE	AB	RE			
		g	g/100g	mg	mg/100g	g	g/100g	g	g/100g			
Isooctane	0 mg/kg	n	5	5	5	5	5	5	5	5	5	
		Mean	1.508	0.284	810.4	152.604	2.352	0.442	2.200	0.416		
		S.D.	0.091	0.030	80.9	15.136	0.496	0.096	0.048	0.026		
Isooctane	300 mg/kg	n	5	5	5	5	5	5	5	5	5	
		Mean	1.386	0.296	810.0	171.768	2.264	0.478	2.196	0.464		
		S.D.	0.098	0.030	120.4	29.475	0.423	0.080	0.082	0.037	T2 *	

AB : Absolute weight, RE : Relative weight by body weight

Significantly different from Isooctane 0 mg/kg: \* P&lt;0.05

T2 : Student t-test (two-side)

Table 15 - 7

Study No. : SR19178

Organ weight Sex : Female (satellite)				Stage : Recovery day 15				Species : Rat							
Test article	Dose	Body weight		Liver		Kidney		Heart		Spleen					
		n	g	AB	RE g/100g	AB	RE g/100g	AB	RE g/100g	AB	RE mg/100g				
Isooctane	0 mg/kg	n	5	5	5	5	5	5	5	5	5				
		Mean	267.0	6.666	2.498	1.848	0.694	0.854	0.318	559.6	209.786				
		S.D.	18.0	0.738	0.253	0.157	0.082	0.082	0.025	125.5	45.365				
Isooctane	300 mg/kg	n	5	5	5	5	5	5	5	5	5				
		Mean	262.6	6.688	2.548	1.868	0.712	0.876	0.336	489.6	186.302				
		S.D.	11.0	0.622	0.250	0.160	0.079	0.062	0.029	47.5	13.803				
<hr/>															
Thymus				Adrenal		Pituitary gland		Thyroid		Ovary					
Test article	Dose	AB	RE	AB	RE	AB	RE	AB	RE	AB	RE				
		mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g				
Isooctane	0 mg/kg	n	5	5	5	5	5	5	5	5	5				
		Mean	286.4	109.408	75.6	28.488	17.38	6.476	17.36	6.486	90.8				
		S.D.	145.5	59.437	14.2	5.976	3.59	1.046	4.03	1.352	23.4				
Isooctane	300 mg/kg	n	5	5	5	5	5	5	5	5	5				
		Mean	284.0	108.082	72.6	27.724	15.66	5.972	18.78	7.178	100.0				
		S.D.	39.7	13.812	12.3	5.126	2.78	1.101	4.99	1.982	22.1				
<hr/>				Uterus		Brain									
Test article	Dose	AB	RE	AB	RE										
		mg	mg/100g	g	g/100g										
Isooctane	0 mg/kg	n	5	5	5										
		Mean	694.0	258.448	2.046										
		S.D.	196.3	62.422	0.070										
Isooctane	300 mg/kg	n	5	5	5										
		Mean	693.4	264.384	2.010										
		S.D.	92.6	36.603	0.114										

AB : Absolute weight, RE : Relative weight by body weight

Not significantly different from Isooctane 0 mg/kg

Table 16 - 1

Study No. : SR19178

Sex : Male		Histopathological findings										Species : Rat	
		Test article					Stage : Day 29						
Organ Findings	Number of Animals Grade	Dose	Isooctane		Isooctane		Isooctane		Isooctane		7	Species : Rat	
		0 mg/kg	7	<7>	30 mg/kg	12	100 mg/kg	12	300 mg/kg	7			
-	-	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P
Lung			7	<7>	0	<0>	0	<0>	0	7	<7>	7	
Bronchus			7	<7>	0	<0>	0	<0>	0	7	<7>	7	
Trachea			7	<7>	0	<0>	0	<0>	0	7	<7>	7	
Submandibular gland			7	<7>	0	<0>	0	<0>	0	7	<7>	7	
Esophagus			7	<7>	0	<0>	0	<0>	0	7	<7>	7	
Stomach			7	<7>	0	<0>	0	<0>	0	7	<7>	7	
Duodenum			7	<7>	0	<0>	0	<0>	0	7	<7>	7	
Jejunum			7	<7>	0	<0>	0	<0>	0	7	<7>	7	
Ileum			7	<7>	0	<0>	0	<0>	0	7	<7>	7	
Cecum			7	<7>	0	<0>	0	<0>	0	7	<7>	7	
Colon			7	<7>	0	<0>	0	<0>	0	7	<7>	7	
Rectum			7	<7>	0	<0>	0	<0>	0	7	<7>	7	

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe, P : Non-graded finding

Not significantly different from Isooctane 0 mg/kg

Table 16 - 2

Study No. : SR19178

Sex : Male		Histopathological findings												Species : Rat	
		Stage : Day 29													
Organ Findings	Number of Animals Grade	Test article	Isooctane			Isooctane			Isooctane			Isooctane			
			Dose	0 mg/kg	7	30 mg/kg	12	100 mg/kg	12	300 mg/kg	7				
			-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-
Pancreas			7	<7>		0	<0>		0	<0>		7	<7>		
Liver				<7>			<0>			<0>			<7>		
Infiltration/Metastasis, tumor cell, sinusoid			7		0	0		0	0	0	0	0	6		1
Heart				<7>			<0>			<0>			<7>		
Infiltration, inflammatory cell, focal			5	2	0	0	0	0	0	0	0	0	7	0	0
Kidney				<7>			<12>			<12>			<7>		
Eosinophilic body, proximal tubular epithelium			7	0	0	0	0	0	0	0	0	0	0	5	2
Basophilic change, renal tubule, focal			5	2	0	0	0	0	6	6	0	0	0	2	1
Cast, hyaline			6	1	0	0	0	0	11	1	0	0	0	0	0
Dilatation, renal tubule			7	0	0	0	0	0	12	0	0	0	0	0	0
Urinary bladder			7		<7>			0		<0>			<0>		<7>
										0			0		7
Testis					<7>			0		<0>			<0>		<7>
Sertoli-cell-only tubule			4	2	1	0	0	0	0	0	0	0	0	0	0
Epididymis			7		<7>			0		<0>			<0>		<7>
										0			0		7
Prostate						<7>			0		<0>		<0>		<7>
Inflammation, interstitium			4	2	1	0	0	0	0	0	0	0	0	3	0

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe, P : Non-graded finding

Significantly different from Isooctane 0 mg/kg: \$\$ P&lt;0.01

FT : Fisher's exact test (two-side)

Table 16 - 3

Study No. : SR19178

Sex : Male		Histopathological findings										Species : Rat	
		Test article					Stage : Day 29						
Organ Findings	Number of Animals Grade	Dose	Isooctane		Isooctane		Isooctane		Isooctane		7	Species : Rat	
		0 mg/kg	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+
7	<7>	7	0	<0>	0	<0>	0		7	<7>	7	<7>	7
Coagulating gland		7	<7>	0	<0>	0	<0>		7	<7>	7	<7>	7
Cerebrum		7	<7>	0	<0>	0	<0>		7	<7>	7	<7>	7
Cerebellum		7	<7>	0	<0>	0	<0>		7	<7>	7	<7>	7
Pons		7	<7>	0	<0>	0	<0>		7	<7>	7	<7>	7
Spinal cord		7	<7>	0	<0>	0	<0>		7	<7>	7	<7>	7
Sciatic nerve		7	<7>	0	<0>	0	<0>		7	<7>	7	<7>	7
Spleen			<7>			<0>		<0>				<7>	
Infiltration/Metastasis, tumor cell, red pulp		7	0	0	0	0	0	0	6		1		
Thymus			<7>		0	0	<0>	0	0	<0>	0	<7>	1
Infiltration/Metastasis, tumor cell		7	0	0	0	0	0	0	6			<7>	
Bone marrow, femur			<7>		0	0	<0>	0	0	<0>	0	<7>	1
Leukemia granulocytic		7	0	0	0	0	0	0	6			<7>	
Submandibular lymph node			<7>		0	<0>		<0>	7	<7>			
Mesenteric lymph node		7	<7>	0	<0>	0	<0>	0	7	<7>			

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe, P : Non-graded finding

Not significantly different from Isooctane 0 mg/kg

Table 16 - 4

Study No. : SR19178

Sex : Male		Histopathological findings												Species : Rat							
		Stage : Day 29																			
Organ Findings	Number of Animals Grade	Test article	Isooctane			Isooctane			Isooctane			Isooctane									
			Dose	0 mg/kg	7	30 mg/kg	12	100 mg/kg	12	300 mg/kg	7										
			-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	
Peyer's patch			7	<7>					0	<0>					0	<0>				<7>	
Pituitary gland			7	<7>					0	<0>					0	<0>				<7>	
Thyroid			7	<7>					0	<0>					0	<0>				<7>	
Follicular cell adenoma			7				0	0	0	<0>		0	0	0	0	0	<0>	0	6	1	1
Hypertrophy, follicular cell			7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	1	0
Parathyroid			7	<7>					0	<0>					0	<0>			7		<7>
Adrenal			7	<7>					0	<0>					0	<0>			7		<7>
Eyeball			6	1	0	0	0	0	0	<0>		0	0	0	0	0	<0>	7	0	0	0
Dysplasia, retina			6	1	0	0	0	0	0	0	0	0	0	0	0	0	<0>	7	0	0	0
Harderian gland										<7>						<0>					<7>
Infiltration, inflammatory cell, focal			6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0
Skeletal muscle			7	<7>					0	<0>					0	<0>			7		<7>
Femur			7	<7>					0	<0>					0	<0>			7		<7>
Mammary gland			7	<7>					0	<0>					0	<0>			7		<7>

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe, P : Non-graded finding

Not significantly different from Isooctane 0 mg/kg

Table 16 - 5

Study No. : SR19178

Sex : Female		Stage : Day 14 after delivery										Species : Rat										
Organ Findings	Test article	Isooctane					Isooctane					Isooctane										
		Dose		0 mg/kg			30 mg/kg		300 mg/kg													
		Number of Animals	Grade	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	
Lung																						
Hemorrhage, focal		10	1	0	0	0	0	0		0	0	0	0	0	0	12	0	0	0	0	0	
Accumulation, macrophage, alveolar		10	1	0	0	0	0	0		0	0	0	0	0	0	11	1	0	0	0	0	
Bronchus										<11>						<0>					<12>	
		11									0						12					<12>
Trachea										<11>						<0>					<12>	
		11									0						12					<12>
Submandibular gland										<11>						<0>					<12>	
		11									0						12					<12>
Esophagus										<11>						<0>					<12>	
		11									0						12					<12>
Stomach										<11>						<0>					<12>	
		11									0						12					<12>
Duodenum										<11>						<0>					<12>	
		11									0						12					<12>
Jejunum										<11>						<0>					<12>	
		11									0						12					<12>
Ileum										<11>						<0>					<12>	
		11									0						12					<12>
Cecum										<11>						<0>					<12>	
		11									0						12					<12>
Colon										<11>						<0>					<12>	
		11									0						12					<12>

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe, P : Non-graded finding

Not significantly different from Isooctane 0 mg/kg

Table 16 - 6

Study No. : SR19178

Sex : Female		Histopathological findings										Species : Rat		
		Test article		Stage : Day 14 after delivery										
Organ Findings	Number of Animals Grade	Dose	Isooctane					Isooctane						
		mg/kg	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P
Rectum		0 11	<11>					<0>					<12>	
Pancreas		30 1	<11>					<0>					<12>	
Liver		300 12	<11>					<0>					<12>	
Necrosis, focal	10 1 0 0 0		<11>					<0>					<12>	
F brosis, focal	11 0 0 0 0		<11>					<0>					<12>	
Heart		11	<11>					<0>					<12>	
Kidney		10 1 0 0 0	<11>					<0>					<12>	
Cyst	10 1 0 0 0		<11>					<0>					<12>	
Mineralization, medulla	10 1 0 0 0		<11>					<0>					<12>	
Urinary bladder		11	<11>					<0>					<12>	
Ovary		11	<11>					<0>					<12>	
Uterine horn		11	<11>					<0>					<12>	
Uterine cervix		11	<11>					<0>					<12>	
Vagina		11	<11>					<0>					<12>	

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe, P : Non-graded finding

Not significantly different from Isooctane 0 mg/kg

Table 16 - 7

Study No. : SR19178

Histopathological findings Sex : Female		Stage : Day 14 after delivery										Species : Rat								
Organ Findings	Test article	Isooctane					Isooctane					Isooctane								
		Dose	0 mg/kg					30 mg/kg					300 mg/kg							
Number of Animals	Grade		-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P
Cerebrum		11	<11>						0	<0>					12	<12>				
Cerebellum		11	<11>						0	<0>					12	<12>				
Pons		11	<11>						0	<0>					12	<12>				
Spinal cord		11	<11>						0	<0>					12	<12>				
Sciatic nerve		11	<11>						0	<0>					12	<12>				
Spleen		11	<11>						0	<0>					12	<12>				
Thymus Remnant, epithelial cell		11	0	0	0	0			0	0	0	0	0		10	2	0	0	0	
Bone marrow, femur		11	<11>						0	<0>					12	<12>				
Submandibular lymph node		11	<11>						0	<0>					12	<12>				
Mesenteric lymph node		11	<11>						0	<0>					12	<12>				
Peyer's patch		11	<11>						0	<0>					12	<12>				

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe, P : Non-graded finding

Not significantly different from Isooctane 0 mg/kg

Table 16 - 8

Study No. : SR19178

Sex : Female		Stage : Day 14 after delivery										Species : Rat									
Organ Findings	Test article	Isooctane					Isooctane					Isooctane									
		Dose		0 mg/kg			30 mg/kg		300 mg/kg												
		Number of Animals	Grade	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P
Pituitary gland Cyst, pars distalis		10	0	1	0	0	<11>	11		0	0	0	0	0	<0>	1	12	0	0	0	0
Thyroid Remnant, ultimobranchial body		8	3	0	0	0	<11>	8		0	0	0	0	0	<0>	1	7	5	0	0	0
Parathyroid		11					<11>			0					<0>		12				<12>
Adrenal		11					<11>			0					<0>		12				<12>
Eyeball Dysplasia, retina		9	2	0	0	0	<11>	9		0	0	0	0	0	<0>	0	11	1	0	0	0
Harderian gland		11					<11>			0					<0>		12				<12>
Skeletal muscle		11					<11>			0					<0>		12				<12>
Femur		11					<11>			0					<0>		12				<12>
Mammary gland		11					<11>			0					<0>		12				<12>
Thoracic skin Adenocarcinoma		0					<0>			0	0		<1>		1		1	0		<1>	1

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe, P : Non-graded finding

Not significantly different from Isooctane 0 mg/kg

Table 16 - 9

Study No. : SR19178

Histopathological findings Sex : Female		Stage : Death/euthanasia								Species : Rat	
Organ Findings	Test article	Isooctane				Isooctane					
		Dose		0 mg/kg	30 mg/kg						
		Number of Animals	Grade	- 1+ 2+ 3+ 4+	-	1+ 2+ 3+ 4+	-	1+ 2+ 3+ 4+	-		
Lung				<1>		2		<2>			
		1									
Bronchus				<1>		2		<2>			
		1									
Trachea				<1>		2		<2>			
		1									
Submandibular gland				<1>		2		<2>			
		1									
Esophagus				<1>		2		<2>			
		1									
Stomach				<1>		2		<2>			
		1									
Duodenum				<1>		2		<2>			
		1									
Jejunum				<1>		2		<2>			
		1									
Ileum				<1>		2		<2>			
		1									
Cecum				<1>		2		<2>			
		1									
Colon				<1>		2		<2>			
		1									
Rectum				<1>		2		<2>			
		1									

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 16 - 10

Study No. : SR19178

Histopathological findings Sex : Female		Stage : Death/euthanasia								Species : Rat	
Organ Findings	Test article	Isooctane				Isooctane					
		Dose		0 mg/kg	30 mg/kg	-		-			
		Number of Animals	Grade	-	1+	2+	3+	4+	-		
Pancreas					<1>				<2>		
		1				2					
Liver					<1>				<2>		
		1				2					
Heart					<1>				<2>		
		1				2					
Kidney					<1>				<2>		
Necrosis, renal tubule, cortex		0	0	1	0	0	0	0	1	0	
Urinary bladder					<1>				<2>		
		1				2					
Ovary					<1>				<2>		
		1				2					
Uterine horn					<1>				<2>		
Infiltration, inflammatory cell		1	0	0	0	0	0	0	1	0	
Uterine cervix					<1>				<2>		
		1				2					
Vagina					<1>				<2>		
		1				2					
Cerebrum					<1>				<2>		
		1				2					
Cerebellum					<1>				<2>		
		1				2					

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 16 - 11

Study No. : SR19178

Histopathological findings Sex : Female		Stage : Death/euthanasia								Species : Rat		
Organ Findings	Test article	Isooctane				Isooctane				Species : Rat		
		Dose	0 mg/kg				30 mg/kg					
			-	1+	2+	3+	4+	-	1+	2+	3+	4+
Pons								<1>		2		
			1							<2>		
Spinal cord								<1>		2		
			1							<2>		
Sciatic nerve								<1>				
			1							2		
Spleen								<1>				
			1							2		
Thymus								<1>				
			1							2		
Bone marrow, femur								<1>				
			1							2		
Submandibular lymph node								<1>				
			1							2		
Mesenteric lymph node								<1>				
			1							2		
Peyer's patch								<1>				
			1							2		
Pituitary gland								<1>				
			1							2		
Thyroid Remnant, ultimobranchial body								<1>				
			1	0	0	0	0		1	1	0	0
Parathyroid								<1>				
			1							2		

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 16 - 12

Study No. : SR19178

Histopathological findings Sex : Female		Stage : Death/euthanasia								Species : Rat			
Organ Findings	Test article	Isooctane				Isooctane				Species : Rat			
		Dose		0 mg/kg		30 mg/kg							
		Number of Animals	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Adrenal					<1>				<2>				
		1							2				
Eyeball Dysplasia, retina					<1>				<2>				
		1	0	0	0	0			1	1	0	0	0
Harderian gland					<1>				<2>				
		1							2				
Skeletal muscle					<1>				<2>				
		1							2				
Femur					<1>				<2>				
		1							2				
Mammary gland					<1>				<2>				
		1							2				

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 16 - 13

Study No. : SR19178

Histopathological findings Sex : Female		Stage : Non-pregnancy				Species : Rat
Organ Findings	Test article	Isooctane				
	Dose	100 mg/kg				
	Number of Animals	1				
Lung	Grade	-	1+	2+	3+	4+
			<1>			
Lung			1			
Bronchus			<1>			
		1				
Trachea			<1>			
		1				
Submandibular gland			<1>			
		1				
Esophagus			<1>			
		1				
Stomach			<1>			
		1				
Duodenum			<1>			
		1				
Jejunum			<1>			
		1				
Ileum			<1>			
		1				
Cecum			<1>			
		1				
Colon			<1>			
		1				
Rectum			<1>			

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 16 - 14

Study No. : SR19178

Histopathological findings Sex : Female		Stage : Non-pregnancy				Species : Rat		
Organ Findings	Test article	Isooctane						
	Dose	100 mg/kg	1	-	1+	2+	3+	4+
Pancreas	Number of Animals		<1>					
	Grade		1					
Pancreas			1					
Liver			<1>					
Heart			1					
Kidney			<1>					
Urinary bladder			1					
Ovary			<1>					
Uterine horn			1					
Uterine cervix			<1>					
Vagina			1					
Cerebrum			<1>					
Cerebellum			1					

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 16 - 15

Study No. : SR19178

Histopathological findings Sex : Female		Stage : Non-pregnancy					Species : Rat
Organ Findings	Test article	Isooctane					
	Dose	100 mg/kg					
	Number of Animals	1					
Grade	-	1+	2+	3+	4+		
Pons		<1>					
		1					
Spinal cord		<1>					
		1					
Sciatic nerve		<1>					
		1					
Spleen		<1>					
		1					
Thymus		<1>					
		1					
Bone marrow, femur		<1>					
		1					
Submandibular lymph node		<1>					
		1					
Mesenteric lymph node		<1>					
		1					
Peyer's patch		<1>					
		1					
Pituitary gland Cyst, pars intermedia		<1>					
		0	0	0	1	0	
Thyroid		<1>					
		1					
Parathyroid		<1>					
		1					

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 16 - 16

Study No. : SR19178

Histopathological findings Sex : Female		Stage : Non-pregnancy					Species : Rat
Organ Findings	Test article	Isooctane					
	Dose	100 mg/kg					
	Number of Animals	1					
Grade	-	1+	2+	3+	4+	<1>	
Adrenal						1	
Eyeball						<1>	
Dysplasia, retina		0	1	0	0	0	
Harderian gland						<1>	
		1					
Skeletal muscle						<1>	
		1					
Femur						<1>	
		1					
Mammary gland						<1>	
		1					

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 16 - 17

Study No. : SR19178

Histopathological findings Sex : Female (satellite)		Stage : Day 29								Species : Rat	
Organ Findings	Test article	Isooctane				Isooctane					
		Dose		0 mg/kg	300 mg/kg						
		Number of Animals	Grade	- 1+ 2+ 3+ 4+	5	- 1+ 2+ 3+ 4+	5	<5>	<5>		
Lung				5	<5>		5		<5>		
Bronchus				5	<5>		5		<5>		
Trachea				5	<5>		5		<5>		
Submandibular gland				5	<5>		5		<5>		
Esophagus				5	<5>		5		<5>		
Stomach				5	<5>		5		<5>		
Duodenum				5	<5>		5		<5>		
Jejunum				5	<5>		5		<5>		
Ileum				5	<5>		5		<5>		
Cecum				5	<5>		5		<5>		
Colon				5	<5>		5		<5>		
Rectum				5	<5>		5		<5>		

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from Isooctane 0 mg/kg

Table 16 - 18

Study No. : SR19178

Histopathological findings Sex : Female (satellite)		Stage : Day 29								Species : Rat			
Organ Findings	Test article	Isooctane				Isooctane				Species : Rat			
		Dose		0 mg/kg		300 mg/kg							
		Number of Animals	Grade	-	1+	2+	3+	4+	-				
Pancreas				<5>				<5>					
				5					5				
Liver				<5>				<5>					
Vacuolation, hepatocyte, periportal				5	0	0	0	0	4	0	1	0	0
Heart				<5>				<5>					
				5					5				
Kidney				<5>				<5>					
				5					5				
Urinary bladder				<5>				<5>					
				5					5				
Ovary				<5>				<5>					
Cyst, lutein				4	0	1	0	0	5	0	0	0	
Uterine horn				<5>				<5>					
				5					5				
Uterine cervix				<5>				<5>					
				5					5				
Vagina				<5>				<5>					
				5					5				
Cerebrum				<5>				<5>					
				5					5				
Cerebellum				<5>				<5>					
				5					5				

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from Isooctane 0 mg/kg

Table 16 - 19

Study No. : SR19178

Histopathological findings Sex : Female (satellite)		Stage : Day 29								Species : Rat		
Organ Findings	Test article	Isooctane				Isooctane				Species : Rat		
		Dose	0 mg/kg				300 mg/kg					
			-	1+	2+	3+	4+	-	1+	2+	3+	4+
Pons								<5>				
			5						5			
Spinal cord								<5>				
			5						5			
Sciatic nerve								<5>				
			5						5			
Spleen								<5>				
			5						5			
Thymus								<5>				
			5						5			
Bone marrow, femur								<5>				
			5						5			
Submandibular lymph node								<5>				
			5						5			
Mesenteric lymph node								<5>				
			5						5			
Peyer's patch								<5>				
			5						5			
Pituitary gland								<5>				
			5						5			
Thyroid Remnant, ultimobranchial body								<5>				
			3	2	0	0	0		4	1	0	0
Parathyroid								<5>				
			5						5			

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from Isooctane 0 mg/kg

Table 16 - 20

Study No. : SR19178

Histopathological findings Sex : Female (satellite)		Stage : Day 29								Species : Rat	
Organ Findings	Test article	Isooctane				Isooctane					
		Dose		0 mg/kg	300 mg/kg						
		Number of Animals	Grade	- 1+ 2+ 3+ 4+	5	- 1+ 2+ 3+ 4+	5	- 1+ 2+ 3+ 4+	5		
Adrenal				<5>				<5>			
				5			5				
Eyeball Dysplasia, retina				<5>				<5>			
				4	1	0	0	0	5	0	0
Harderian gland Infiltration, inflammatory cell, focal				<5>				<5>			
				4	1	0	0	0	5	0	0
Skeletal muscle				<5>				<5>			
				5			5				
Femur				<5>				<5>			
				5			5				
Mammary gland				<5>				<5>			
				5			5				

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from Isooctane 0 mg/kg

Table 16 - 21

Study No. : SR19178

Histopathological findings		Stage : Recovery day 15										Species : Rat			
Sex : Male		Test article		Isooctane					Isooctane						
Organ Findings	Dose	0 mg/kg				300 mg/kg								FT \$\$	
	Number of Animals	-	1+	2+	3+	4+	-	1+	2+	3+	4+				
	Grade	<5>				<5>									
Kidney	Basophilic change, renal tubule, focal	5	0	0	0	0	0	4	1	0	0				
	Cast, hyaline	4	1	0	0	0	5	0	0	0	0				

&lt;&gt; : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Significantly different from Isooctane 0 mg/kg: \$\$ P&lt;0.01

FT : Fisher's exact test (two-side)

Table 17

Study No. : SR19178

Estrous cycles Generation : F0				Species : Rat
Test article Dose	/Before mating			
	n	Mean length of estrous cycle (Days)	Number of estrus	Number of animals with acyclic or irregular cycle
Isooctane 0 mg/kg	Mean	4.00	3.3	12 (0)
	S.D.	0.00	0.5	
Isooctane 30 mg/kg	Mean	4.17	3.3	12 (0)
	S.D.	0.33	0.5	
Isooctane 100 mg/kg	Mean	4.11	3.6	12 (0)
	S.D.	0.29	0.5	
Isooctane 300 mg/kg	Mean	4.29	3.3	12 (0)
	S.D.	0.45	0.6	

() : Values in brackets represent number of animals with acyclic or irregular cycle.

Not significantly different from Isooctane 0 mg/kg

Table 18 - 1

Study No. : SR19178

Test article Dose	Reproductive performance Generation : F0      Sex : Male			Species : Rat			
	Number of pairs	Day of conceiving	1st mating		2nd mating		Total
			Copulation index (%)	Fertility index (%)	Copulation index (%)	Fertility index (%)	
Isooctane 0 mg/kg	n Mean S.D.	12 2.8 2.3	12 (12/12)	100.0 (12/12)			(12/12) 100.0 (12/12) 100.0
Isooctane 30 mg/kg	n Mean S.D.	12 2.0 0.7	12 (12/12)	100.0 (12/12)			(12/12) 100.0 (12/12) 100.0
Isooctane 100 mg/kg	n Mean S.D.	12 2.5 1.2	12 (12/12)	100.0 (11/12)			(12/12) 100.0 (11/12) 91.7
Isooctane 300 mg/kg	n Mean S.D.	12 2.6 1.1	12 (12/12)	100.0 (12/12)			(12/12) 100.0 (12/12) 100.0

Not significantly different from Isooctane 0 mg/kg

Table 18 - 2

Study No. : SR19178

Test article Dose	Reproductive performance		Species : Rat							
	Generation : F0		Sex : Female		1st mating		2nd mating		Total	
	Number of pairs	Day of conceiving	Copulation index (%)	Fertility index (%)	Copulation index (%)	Fertility index (%)	Copulation index (%)	Fertility index (%)		
Isooctane 0 mg/kg	n Mean S.D.	12 2.8 2.3	12 (12/12)	100.0 (12/12)			(12/12) 100.0	(12/12) 100.0		
Isooctane 30 mg/kg	n Mean S.D.	12 2.0 0.7	12 (12/12)	100.0 (12/12)			(12/12) 100.0	(12/12) 100.0		
Isooctane 100 mg/kg	n Mean S.D.	12 2.5 1.2	12 (12/12)	100.0 (11/12)			(12/12) 100.0	(11/12) 91.7		
Isooctane 300 mg/kg	n Mean S.D.	12 2.6 1.1	12 (12/12)	100.0 (12/12)			(12/12) 100.0	(12/12) 100.0		

Not significantly different from Isooctane 0 mg/kg

Table 19 - 1

Study No. : SR19178

Test article Dose	Delivery data Generation : F0										Species : Rat		
	Gestation length (day)	Number of implantation	Birth index (%)	Number of offspring	Number of live newborns			Sex ratio (offspring) (%)	Number of dead newborns			Gestation index (%)	
					M	F	Total		Dead	Cannibalism	Total		
Isooctane 0 mg/kg	n Mean S.D.	11 22.36 0.50	11 15.9	11 96.59 15.4	11 8.0 1.8	11 7.4 2.3	11 15.4 1.9	88/169 52.1	11 0.0 0.0	11 0.0 0.0	11 0.0 0.0	11/12 91.7 0.00	
Isooctane 30 mg/kg	n Mean S.D.	10 22.30 0.48	10 15.2	10 96.12 14.6	10 7.1 1.3	10 7.5 1.6	10 14.6 1.2	71/146 48.6	10 0.0 0.0	10 0.0 0.0	10 0.0 0.0	10/12 83.3 0.00	
Isooctane 100 mg/kg	n Mean S.D.	11 22.36 0.50	11 16.2	11 95.75 15.5	11 6.5 2.8	11 9.0 3.1	11 15.5 2.6	72/171 42.1	11 0.0 0.0	11 0.0 0.0	11 0.0 0.0	11/11 100.0 0.00	
Isooctane 300 mg/kg	n Mean S.D.	12 22.58 0.51	12 15.3	12 95.54 14.7	12 8.1 2.2	12 6.5 2.4	12 14.6 1.6	97/175 55.4	12 0.1 0.3	12 0.0 0.0	12 0.1 0.3	12/12 100.0 0.00	

M : Male, F : Female

Not significantly different from Isooctane 0 mg/kg

Table 19 - 2

Study No. : SR19178

Delivery data (External examination of offspring)				Postnatal Day : 0
Generation : F1	Isooctane	Isooctane	Isooctane	Species : Rat
Test article				
Dose	0	30	100	300
Dose unit	mg/kg	mg/kg	mg/kg	mg/kg
Number of dams	11	10	11	12
Number of offspring	169	146	171	175
Number of dams with anomalous offspring (incidence %)	0(0.00)	0(0.00)	0(0.00)	0(0.00)
Number of offspring with any anomaly (incidence %)	0(0.00)	0(0.00)	0(0.00)	0(0.00)

Not significantly different from Isooctane 0 mg/kg

Table 20

Study No. : SR19178

		Clinical sign of offspring Generation : F1													Species : Rat	
Test article	Dose	Clinical signs	Postnatal Day	/Before culling						/After culling						
				0	1	2	3	4	5	6	7	8	9	10	11	
Isooctane 0 mg/kg		Number of dams examined		11	11	11	11	11	11	11	11	11	11	11	11	11
		Number of offspring		169	168	168	168	168	88	88	88	88	88	88	88	88
		Number of dams with anomalous offspring		1	0	0	0	0	0	0	0	0	0	0	0	0
		Trauma		1	0	0	0	0	0	0	0	0	0	0	0	0
Isooctane 30 mg/kg		Number of dams examined		10	10	10	10	10	10	10	10	10	10	10	10	10
		Number of offspring		146	146	146	146	143	80	80	80	80	80	80	80	80
		Number of dams with anomalous offspring		0	0	0	0	0	0	0	0	0	0	0	0	0
Isooctane 100 mg/kg		Number of dams examined		11	11	11	11	11	11	11	11	11	11	11	11	11
		Number of offspring		171	171	171	171	167	88	88	88	88	88	88	88	88
		Number of dams with anomalous offspring		0	0	0	0	0	0	0	0	0	0	0	0	0
Isooctane 300 mg/kg		Number of dams examined		12	12	12	12	12	12	12	12	12	12	12	12	12
		Number of offspring		175	174	174	174	173	96	96	96	96	96	96	96	96
		Number of dams with anomalous offspring		0	0	0	0	0	0	0	0	0	0	0	0	0

Table 21

Study No. : SR19178

## Litter size and viability index of offspring

Generation : F1

Species : Rat

Test article Dose	/Postnatal Day	0		4		4		13		13	
			Viability index (%)	Pre-culled		Viability index (%)	Post-culled		Viability index (%)		Viability index (%)
Isooctane 0 mg/kg	Total	169		168		88	88				
	n	11	11	11		11	11	11	11		
	Mean		100.00		99.35			100.00			
	S.D.		0.00		2.14			0.00			
Isooctane 30 mg/kg	Total	146		143		80	80				
	n	10	10	10		10	10	10	10		
	Mean		100.00		98.15			100.00			
	S.D.		0.00		4.08			0.00			
Isooctane 100 mg/kg	Total	171		167		88	88				
	n	11	11	11		11	11	11	11		
	Mean		100.00		97.72			100.00			
	S.D.		0.00		5.09			0.00			
Isooctane 300 mg/kg	Total	175		173		96	96				
	n	12	12	12		12	12	12	12		
	Mean		99.44		98.89			100.00			
	S.D.		1.93		2.60			0.00			

Not significantly different from Isooctane 0 mg/kg

Table 22

Study No. : SR19178

## Litter data on body weight of offspring

Generation : F1

Unit : g

Species : Rat

Test article Dose		Male	/Postnatal Day				
			0	4	7	13	
Isooctane 0 mg/kg	Male	n	11	11	11	11	
		Mean	6.749	10.548	18.822	36.254	
		S.D.	0.670	1.068	1.759	2.959	
	Female	n	11	11	11	11	
		Mean	6.270	9.924	17.715	34.801	
		S.D.	0.538	0.886	1.421	2.114	
Isooctane 30 mg/kg	Male	n	10	10	10	10	
		Mean	6.556	10.401	18.406	35.894	
		S.D.	0.625	1.419	2.705	4.224	
	Female	n	10	10	10	10	
		Mean	6.324	10.190	18.073	35.302	
		S.D.	0.588	1.319	1.775	2.455	
Isooctane 100 mg/kg	Male	n	11	11	11	11	
		Mean	6.417	10.187	17.951	34.423	
		S.D.	0.583	1.104	2.398	3.806	
	Female	n	11	11	11	11	
		Mean	6.078	9.838	17.485	33.645	
		S.D.	0.670	1.282	2.299	3.309	
Isooctane 300 mg/kg	Male	n	12	12	12	12	
		Mean	6.759	10.413	18.151	34.783	
		S.D.	0.592	1.244	1.855	2.740	
	Female	n	12	12	12	12	
		Mean	6.360	9.790	17.053	33.287	
		S.D.	0.667	1.257	1.959	2.906	

Not significantly different from Isooctane 0 mg/kg

Table 23

Study No. : SR19178

## Litter data on anogenital distance of offspring

Generation : F1

Species : Rat

Test article	Dose	Postnatal Day 4			Species : Rat
			AGD (mm)	AGD/ <sup>3</sup> √ BW	
Isooctane 0 mg/kg	Male	n	11	11	
		Mean	5.500	2.509	
		S.D.	0.286	0.109	
	Female	n	11	11	
		Mean	2.802	1.305	
		S.D.	0.128	0.047	
Isooctane 30 mg/kg	Male	n	10	10	
		Mean	5.492	2.525	
		S.D.	0.260	0.115	
	Female	n	10	10	
		Mean	2.792	1.291	
		S.D.	0.144	0.055	
Isooctane 100 mg/kg	Male	n	11	11	
		Mean	5.495	2.538	
		S.D.	0.256	0.080	
	Female	n	11	11	
		Mean	2.786	1.303	
		S.D.	0.139	0.033	
Isooctane 300 mg/kg	Male	n	12	12	
		Mean	5.530	2.536	
		S.D.	0.281	0.078	
	Female	n	12	12	
		Mean	2.764	1.296	
		S.D.	0.147	0.057	

Not significantly different from Isooctane 0 mg/kg

Table 24

Study No. : SR19178

Litter data on number of nipples in male offspring  
Generation : F1

Test article Dose		Postnatal Day 13			Species : Rat
			n	Number of nipples	
Isooctane 0 mg/kg	Male	n	11		
		Mean	0.00		
		S.D.	0.00		
Isooctane 30 mg/kg	Male	n	10		
		Mean	0.00		
		S.D.	0.00		
Isooctane 100 mg/kg	Male	n	11		
		Mean	0.00		
		S.D.	0.00		
Isooctane 300 mg/kg	Male	n	12		
		Mean	0.00		
		S.D.	0.00		

Not significantly different from Isooctane 0 mg/kg

Table 25

Study No. : SR19178

Serum T4 concentration of offspring Generation : F1			Stage : F1 postnatal Day 13	Species : Rat
	T4			
Test article				
Dose		ng/mL		
Isooctane	n	11		
0 mg/kg	Mean	55.37		
	S.D.	5.22		
Isooctane	n	10		
30 mg/kg	Mean	53.07		
	S.D.	5.87		
Isooctane	n	11		
100 mg/kg	Mean	55.42		
	S.D.	5.29		
Isooctane	n	12		
300 mg/kg	Mean	54.78		
	S.D.	6.51		

Not significantly different from Isooctane 0 mg/kg

Table 26

Study No. : SR19178

Necropsy findings of offspring Generation : F1					Species : Rat
Test article	Isooctane 0 mg/kg	Isooctane 30 mg/kg	Isooctane 100 mg/kg	Isooctane 300 mg/kg	
Dose					
Number of dams	11	10	11	12	
Number of live offspring examined on postnatal Day 13	88	80	88	96	
Finding absent	88	80	88	96	
Number of dead offspring examined on postnatal Day 0-13	0	0	0	3	
Finding absent	-	-	-	3	

- : Not applicable

Clinical sign Sex : Male		Period : Administration Day 1-29												Species : Rat	
Animal No.	Clinical signs	Day		1	2	3	4	5	6	7	8	9			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	
10101	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10102	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10103	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10104	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10105	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10106	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10107	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10108	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10109	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10110	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10111	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10112	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.		Day		10	11	12	13	14	15	16	17	18			
Animal No.	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	
		-	-	-	-	-	-	-	-	-	-	-	-	-	
10101	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10102	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10103	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10104	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10105	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10106	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10107	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10108	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10109	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10110	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10111	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10112	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.		Day		19	20	21	22	23	24	25	26	27			
Animal No.	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	
		-	-	-	-	-	-	-	-	-	-	-	-	-	
10101	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10102	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10103	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10104	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10105	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10106	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10107	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10108	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10109	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10110	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10111	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	
10112	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	

Administration)1 : Before dosing, 2 : After dosing

Clinical sign Sex : Male		Period : Administration Day 1-29 Dose : Isooctane 0 mg/kg			Species : Rat
Animal No.	Clinical signs	Day	28	29	
		Time	1	2	3
10101	No abnormality	-	-	-	
10102	No abnormality	-	-	-	
10103	No abnormality	-	-	-	
10104	No abnormality	-	-	-	
10105	No abnormality	-	-	-	
10106	No abnormality	-	-	-	
10107	No abnormality	-	-	-	
10108	No abnormality	-	-	-	
10109	No abnormality	-	-	-	
10110	No abnormality	-	-	-	
10111	No abnormality	-	-	-	
10112	No abnormality	-	-	-	

Administration)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical sign Sex : Male		Period : Administration Day 1-29												Species : Rat		
Animal No.	Clinical signs	Day		1	2	3	4	5	6	7	8	9				
		Time		1	2	1	2	1	2	1	2	1	2	1	2	
10201	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10202	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10203	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10204	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10205	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10206	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10207	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10208	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10209	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10210	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10211	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10212	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.		Day		10	11	12	13	14	15	16	17	18				
Animal No.	Clinical signs	Time		1	2	1	2	1	2	1	2	1	2	1	2	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10201	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10202	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10203	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10204	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10205	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10206	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10207	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10208	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10209	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10210	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10211	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10212	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.		Day		19	20	21	22	23	24	25	26	27				
Animal No.	Clinical signs	Time		1	2	1	2	1	2	1	2	1	2	1	2	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10201	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10202	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10203	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10204	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10205	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10206	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10207	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10208	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10209	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10210	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10211	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10212	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Administration)1 : Before dosing, 2 : After dosing

Clinical sign Sex : Male		Period : Administration Day 1-29 Dose : Isooctane 30 mg/kg			Species : Rat
Animal No.	Clinical signs	Day	28	29	
		Time	1	2	3
10201	No abnormality	-	-	-	
10202	No abnormality	-	-	-	
10203	No abnormality	-	-	-	
10204	No abnormality	-	-	-	
10205	No abnormality	-	-	-	
10206	No abnormality	-	-	-	
10207	No abnormality	-	-	-	
10208	No abnormality	-	-	-	
10209	No abnormality	-	-	-	
10210	No abnormality	-	-	-	
10211	No abnormality	-	-	-	
10212	No abnormality	-	-	-	

Administration)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical sign Sex : Male		Period : Administration Day 1-29 Dose : Isooctane 100 mg/kg												Species : Rat							
Animal No.	Clinical signs	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
10301	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10302	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10303	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10304	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10305	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10306	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10307	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10308	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10309	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10310	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10311	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10312	Crushing of incisors (upper incisor)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Animal No.	Clinical signs	Day	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
10301	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10302	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10303	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10304	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10305	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10306	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10307	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10308	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10309	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10310	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10311	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10312	Crushing of incisors (upper incisor)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Animal No.	Clinical signs	Day	19	20	21	22	23	24	25	26	27	1	2	1	2	1	2	1	2	1	2
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
10301	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10302	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10303	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10304	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10305	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10306	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10307	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10308	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10309	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10310	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10311	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10312	Crushing of incisors (upper incisor)	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+		

Administration)1 : Before dosing, 2 : After dosing

Clinical sign Sex : Male		Period : Administration Day 1-29 Dose : Isooctane 100 mg/kg			Species : Rat
Animal No.	Clinical signs	Day	28	29	
		Time	1	2	3
10301	No abnormality		-	-	-
10302	No abnormality		-	-	-
10303	No abnormality		-	-	-
10304	No abnormality		-	-	-
10305	No abnormality		-	-	-
10306	No abnormality		-	-	-
10307	No abnormality		-	-	-
10308	No abnormality		-	-	-
10309	No abnormality		-	-	-
10310	No abnormality		-	-	-
10311	No abnormality		-	-	-
10312	Crushing of incisors (upper incisor)		+	+	-

Administration)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Animal No.	Clinical signs	Period : Administration Day 1-29												Species : Rat											
		Day		1		2		3		4		5		6		7		8		9					
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
10401	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	+	-	+	-	+	-	+	-	+	-			
10402	Soil of perigenital fur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
10403	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	+	-	-			
10404	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	+	-	+	-	+	-	+	-	+	-			
10405	Soil of perigenital fur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
10406	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	+	-	+			
10407	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	-			
10408	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	+	-	-			
10409	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	+	-	+	-			
10410	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	+	-	-			
10411	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	+	+	+	-			
10412	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	+	-	-			
Animal No.	Clinical signs	Day												10				11				12			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
		+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
10401	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+		
10402	Soil of perigenital fur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+		
10403	Chromaturia (red brown)	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
10404	Chromaturia (red brown)	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
10405	Soil of perigenital fur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+		
10406	Chromaturia (red brown)	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
10407	Chromaturia (red brown)	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
10408	Chromaturia (red brown)	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
10409	Chromaturia (red brown)	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
10410	Chromaturia (red brown)	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
10411	Chromaturia (red brown)	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
10412	Chromaturia (red brown)	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
Animal No.	Clinical signs	Day												19				20				21			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
		+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
10401	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10402	Soil of perigenital fur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10403	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10404	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10405	Soil of perigenital fur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10406	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10407	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10408	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10409	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10410	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10411	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10412	Chromaturia (red brown)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Administration)1 : Before dosing, 2 : After dosing

Clinical sign Sex : Male		Period : Administration Day 1-29 Dose : Isooctane 300 mg/kg			Species : Rat
Animal No.	Clinical signs	Day	28	29	
		Time	1	2	3
10401	Chromaturia (red brown)		+	-	+
10402	Soil of perigenital fur		-	-	-
	Chromaturia (red brown)		+	-	+
10403	Chromaturia (red brown)		+	-	+
10404	Chromaturia (red brown)		+	-	+
10405	Soil of perigenital fur		+	+	+
	Chromaturia (red brown)		+	-	+
10406	Chromaturia (red brown)		+	-	
10407	Chromaturia (red brown)		+	-	
10408	Chromaturia (red brown)		+	-	
10409	Chromaturia (red brown)		+	-	+
10410	Chromaturia (red brown)		+	-	
10411	Chromaturia (red brown)		+	-	
10412	Chromaturia (red brown)		+	-	+

Administration)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical sign Sex : Female		Period : F0 before mating Day 1-14, F0 mating Day 15-23 Dose : Isooctane 0 mg/kg												Species : Rat										
Animal No.	Clinical signs	Day		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
50151	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50152	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50153	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50154	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50155	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50156	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50157	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50158	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50159	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50160	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50161	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50162	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Animal No.	Clinical signs	Day		10	11	12	13	14	15	16	17	18	19	20	21	22	23	1	2	1	2	1	2	
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50151	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50152	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50153	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50154	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50155	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50156	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50157	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50158	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50159	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50160	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50161	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50162	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Animal No.	Clinical signs	Day		19	20	21	22	23	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50151	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50152	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50153	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50154	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50155	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50156	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50157	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50158	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50159	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50160	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50161	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50162	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

F0 before mating)1 : Before dosing, 2 : After dosing, F0 mating)1 : Before dosing, 2 : After dosing

Clinical sign Sex : Female		Period : F0 gestation Day 0-26												Species : Rat					
Animal No.	Clinical signs	Day 0		1		2		3		4		5		6		7			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50151	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50152	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50153	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50154	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50155	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50156	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50157	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50158	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50159	Death	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50160	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50161	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50162	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day 9		10		11		12		13		14		15		16		17	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50151	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50152	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50153	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50154	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50155	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50156	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50157	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50158	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50159	Death	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50160	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50161	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50162	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day 18		19		20		21		22		23		24		25		26	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50151	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50152	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50153	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50154	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50155	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50156	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50157	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50158	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50159	Death	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	
50160	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50161	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50162	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

F0 gestation)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical sign Sex : Female		Period : F0 lactation Day 0-14												Species : Rat				
Animal No.	Clinical signs	Day 0		1		2		3		4		5		6		7		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50151	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50152	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50153	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50154	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50155	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50156	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50157	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50158	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50160	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50161	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50162	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day 9		10		11		12		13		14						
		Time	1	2	1	2	1	2	1	2	1	2	1	2	3			
50151	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50152	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50153	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50154	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50155	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50156	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50157	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50158	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50160	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50161	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50162	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

F0 lactation)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical sign Sex : Female		Period : F0 before mating Day 1-14, F0 mating Day 15-23 Dose : Isooctane 30 mg/kg												Species : Rat							
Animal No.	Clinical signs	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50251	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50252	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50253	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50254	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50255	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50256	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50257	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50258	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50259	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50260	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50261	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50262	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Animal No.	Clinical signs	Day	10	11	12	13	14	15	16	17	18	19	20	21	22	23	19	20	21	22	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50251	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50252	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50253	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50254	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50255	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50256	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50257	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50258	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50259	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50260	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50261	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50262	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Animal No.	Clinical signs	Day	19	20	21	22	23	19	20	21	22	19	20	21	22	19	20	21	22	19	20
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50251	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50252	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50253	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50254	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50255	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50256	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50257	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50258	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50259	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50260	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50261	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50262	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

F0 before mating)1 : Before dosing, 2 : After dosing, F0 mating)1 : Before dosing, 2 : After dosing

Clinical sign Sex : Female		Period : F0 gestation Day 0-26												Species : Rat					
Animal No.	Clinical signs	Day 0		1		2		3		4		5		6		7			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50251	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50252	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50253	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50254	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50255	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50256	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50257	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50258	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50259	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50260	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50261	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50262	Subcutaneous mass (right thorax)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day 9		10		11		12		13		14		15		16		17	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50251	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50252	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50253	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50254	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50255	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50256	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50257	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50258	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50259	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50260	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50261	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50262	Subcutaneous mass (right thorax)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day 18		19		20		21		22		23		24		25		26	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50251	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50252	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50253	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	a	
50254	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50255	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50256	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50257	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50258	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50259	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50260	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	b	-	-	-	-	
50261	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50262	Subcutaneous mass (right thorax)	-	-	-	-	-	-	-	-	-	+	+	-	-	-	-	-	-	

F0 gestation)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

a : Pregnant but euthanized (no parturition by gestation day 25)

b : Euthanized (moribundity at parturition [tachypnea, hypothermia])

Clinical sign Sex : Female		Period : F0 lactation Day 0-14 Dose : Isooctane 30 mg/kg												Species : Rat					
Animal No.	Clinical signs	Day 0		1		2		3		4		5		6		7		8	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1
50251	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50252	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50254	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50255	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50256	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50257	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50258	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50259	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50261	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50262	Subcutaneous mass (right thorax)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Animal No.		Day 9		10		11		12		13		14							
Animal No.	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	3						
		-	-	-	-	-	-	-	-	-	-	-	-						
50251	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-						
50252	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-						
50254	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-						
50255	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-						
50256	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-						
50257	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-						
50258	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-						
50259	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-						
50261	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-						
50262	Subcutaneous mass (right thorax)	+	+	+	+	+	+	+	+	+	+	+	+						

F0 lactation)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical sign Sex : Female		Period : F0 before mating Day 1-14, F0 mating Day 15-23 Dose : Isooctane 100 mg/kg												Species : Rat								
Animal No.	Clinical signs	Day		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50351	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50352	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50353	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50354	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50355	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50356	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50357	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50358	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50359	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50360	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50361	Crushing of incisors (upper incisor)	-	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	
50362	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day		10	11	12	13	14	15	16	17	18	19	20	21	22	23	1	2	1	2	
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50351	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50352	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50353	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50354	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50355	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50356	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50357	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50358	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50359	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50360	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50361	Crushing of incisors (upper incisor)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50362	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day		19	20	21	22	23	1	2	1	2	1	2	1	2	1	2	1	2	1	2
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50351	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50352	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50353	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50354	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50355	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50356	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50357	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50358	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50359	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50360	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50361	Crushing of incisors (upper incisor)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50362	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

F0 before mating)1 : Before dosing, 2 : After dosing, F0 mating)1 : Before dosing, 2 : After dosing

Clinical sign Sex : Female		Period : F0 gestation Day 0-26												Species : Rat						
Animal No.	Clinical signs	Day 0		1		2		3		4		5		6		7		8		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50351	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50352	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50353	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50354	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50355	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50356	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50357	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50358	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50359	No abnormality	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
50360	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50361	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50362	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day 9		10		11		12		13		14		15		16		17		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50351	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50352	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50353	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50354	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50355	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50356	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50357	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50358	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50359	No abnormality	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
50360	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50361	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50362	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day 18		19		20		21		22		23		24		25		26		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	3
50351	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50352	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50353	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50354	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50355	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50356	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50357	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50358	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50359	No abnormality	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
50360	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50361	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50362	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

F0 gestation)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

\$ : Excepted data from calculation (non-pregnancy)

Clinical sign Sex : Female		Period : F0 lactation Day 0-14												Species : Rat				
Animal No.	Clinical signs	Day 0		1		2		3		4		5		6		7		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50351	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50352	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50353	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50354	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50355	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50356	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50357	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50358	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50360	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50361	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50362	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day 9		10		11		12		13		14						
		Time	1	2	1	2	1	2	1	2	1	2	1	2	3			
50351	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50352	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50353	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50354	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50355	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50356	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50357	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50358	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50360	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50361	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50362	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

F0 lactation)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical sign Sex : Female		Period : F0 before mating Day 1-14, F0 mating Day 15-23 Dose : Isooctane 300 mg/kg													Species : Rat						
Animal No.	Clinical signs	Day		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50451	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50452	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50453	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50454	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50455	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50456	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50457	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50458	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50459	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50460	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50461	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50462	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day		10	11	12	13	14	15	16	17	18	19	20	21	22	23				
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50451	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50452	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50453	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50454	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50455	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50456	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50457	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50458	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50459	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50460	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50461	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50462	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day		19	20	21	22	23													
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50451	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50452	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50453	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50454	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50455	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50456	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50457	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50458	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50459	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50460	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50461	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50462	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

F0 before mating)1 : Before dosing, 2 : After dosing, F0 mating)1 : Before dosing, 2 : After dosing

Clinical sign Sex : Female		Period : F0 gestation Day 0-26												Species : Rat	
Animal No.	Clinical signs	Day		0	1	2	3	4	5	6	7	8			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1
50451	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50452	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50453	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50454	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50455	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50456	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50457	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50458	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50459	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50460	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50461	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50462	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day		9	10	11	12	13	14	15	16	17			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1
50451	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50452	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50453	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50454	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50455	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50456	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50457	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50458	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50459	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50460	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50461	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50462	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day		18	19	20	21	22	23	24	25	26			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1
50451	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50452	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50453	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50454	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50455	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50456	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50457	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50458	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50459	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50460	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50461	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50462	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-

F0 gestation)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical sign Sex : Female		Period : F0 lactation Day 0-14												Species : Rat						
Animal No.	Clinical signs	Day 0		1		2		3		4		5		6		7		8		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50451	Subcutaneous mass (right thorax)		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
50452	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50453	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50454	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50455	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50456	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50457	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50458	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50459	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50460	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50461	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50462	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	9	10	11	12	13	14												
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	3	
50451	Subcutaneous mass (right thorax)		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
50452	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50453	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50454	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50455	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50456	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50457	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50458	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50459	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50460	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50461	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50462	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

F0 lactation)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical sign Sex : Female (satellite)		Period : Administration Day 1-29 Dose : Isooctane 0 mg/kg											Species : Rat					
Animal No.	Clinical signs	Day		1	2	3	4	5	6	7	8	9	1	2	1	2		
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50551	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50552	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50553	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50554	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50555	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50556	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50557	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50558	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50559	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50560	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.		Day		10	11	12	13	14	15	16	17	18						
	Clinical signs	Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50551	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50552	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50553	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50554	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50555	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50556	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50557	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50558	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50559	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50560	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.		Day		19	20	21	22	23	24	25	26	27						
	Clinical signs	Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50551	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50552	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50553	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50554	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50555	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50556	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50557	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50558	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50559	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50560	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Administration)1 : Before dosing, 2 : After dosing

Clinical sign Sex : Female (satellite)		Period : Administration Day 1-29 Dose : Isooctane 0 mg/kg			Species : Rat
Animal No.	Clinical signs	Day	28	29	
		Time	1	2	3
50551	No abnormality		-	-	-
50552	No abnormality		-	-	-
50553	No abnormality		-	-	-
50554	No abnormality		-	-	-
50555	No abnormality		-	-	-
50556	No abnormality		-	-	-
50557	No abnormality		-	-	-
50558	No abnormality		-	-	-
50559	No abnormality		-	-	-
50560	No abnormality		-	-	-

Administration)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical sign Sex : Female (satellite)		Period : Administration Day 1-29 Dose : Isooctane 300 mg/kg											Species : Rat				
Animal No.	Clinical signs	Day		1	2	3	4	5	6	7	8	9	1	2	1	2	
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2
50651	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50652	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50653	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50654	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50655	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50656	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50657	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50658	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50659	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50660	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.		Day		10	11	12	13	14	15	16	17	18					
	Clinical signs	Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2
50651	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50652	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50653	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50654	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50655	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50656	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50657	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50658	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50659	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50660	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.		Day		19	20	21	22	23	24	25	26	27					
	Clinical signs	Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2
50651	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50652	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50653	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50654	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50655	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50656	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50657	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50658	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50659	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50660	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Administration)1 : Before dosing, 2 : After dosing

Clinical sign Sex : Female (satellite)		Period : Administration Day 1-29 Dose : Isooctane 300 mg/kg			Species : Rat
Animal No.	Clinical signs	Day	28	29	
		Time	1	2	3
50651	No abnormality		-	-	-
50652	No abnormality		-	-	-
50653	No abnormality		-	-	-
50654	No abnormality		-	-	-
50655	No abnormality		-	-	-
50656	No abnormality		-	-	-
50657	No abnormality		-	-	-
50658	No abnormality		-	-	-
50659	No abnormality		-	-	-
50660	No abnormality		-	-	-

Administration)1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical sign Sex : Male		Period : Recovery Day 1-15 Dose : Isooctane 0 mg/kg												Species : Rat				
Animal No.	Clinical signs	Day		1	2	3	4	5	6	7	8	9	1	2	1	2	1	
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2	
10106	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10109	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10110	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10111	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10112	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.		Clinical signs		Day	10	11	12	13	14	15								
Animal No.	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	3	1	2	1	2	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10106	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10109	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10110	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10111	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10112	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Recovery)1 : AM, 2 : PM, 3 : Necropsy day

Clinical sign Sex : Male		Period : Recovery Day 1-15 Dose : Isooctane 300 mg/kg												Species : Rat			
Animal No.	Clinical signs	Day		1	2	3	4	5	6	7	8	9	1	2	1	2	1
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2
10406	Chromaturia (red brown)			+	-	-	-	-	-	-	-	-	-	-	-	-	-
10407	Chromaturia (red brown)			+	+	-	-	-	-	-	-	-	-	-	-	-	-
10408	Chromaturia (red brown)			+	-	-	-	-	-	-	-	-	-	-	-	-	-
10410	Chromaturia (red brown)			+	-	-	-	-	-	-	-	-	-	-	-	-	-
10411	Chromaturia (red brown)			+	-	-	-	-	-	-	-	-	-	-	-	-	-
<hr/>																	
Animal No.	Clinical signs	Day		10	11	12	13	14	15								
		Time		1	2	1	2	1	2	1	2	1	2	1	2	3	
10406	Chromaturia (red brown)			-	-	-	-	-	-	-	-	-	-	-	-	-	-
10407	Chromaturia (red brown)			-	-	-	-	-	-	-	-	-	-	-	-	-	-
10408	Chromaturia (red brown)			-	-	-	-	-	-	-	-	-	-	-	-	-	-
10410	Chromaturia (red brown)			-	-	-	-	-	-	-	-	-	-	-	-	-	-
10411	Chromaturia (red brown)			-	-	-	-	-	-	-	-	-	-	-	-	-	-

Recovery)1 : AM, 2 : PM, 3 : Necropsy day

Clinical sign Sex : Female (satellite)		Period : Recovery Day 1-15 Dose : Isooctane 0 mg/kg												Species : Rat			
Animal No.	Clinical signs	Day		1	2	1	2	1	2	1	2	1	2	1	2	1	2
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2
50556	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50557	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50558	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50559	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50560	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.		Day		10	11	12	13	14	15								
Animal No.	Clinical signs	Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50556	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50557	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50558	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50559	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50560	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Recovery)1 : AM, 2 : PM, 3 : Necropsy day

Clinical sign Sex : Female (satellite)		Period : Recovery Day 1-15 Dose : Isooctane 300 mg/kg												Species : Rat			
Animal No.	Clinical signs	Day		1	2	3	4	5	6	7	8	9	1	2	1	2	1
		Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2
50656	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50657	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50658	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50659	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50660	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.		Day		10	11	12	13	14	15								
Animal No.	Clinical signs	Time		1	2	1	2	1	2	1	2	1	2	1	2	1	2
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50656	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50657	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50658	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50659	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50660	No abnormality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Recovery)1 : AM, 2 : PM, 3 : Necropsy day

Animal No.	Detailed clinical observation (in the cage)			Stage : Pre			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10101		1	1	1	0	0	1
10102		1	1	1	0	0	1
10103		1	1	1	0	0	1
10104		1	1	1	0	0	1
10105		1	1	1	0	0	1
10106		1	1	1	0	0	1
10107		1	1	1	0	0	1
10108		1	1	1	0	0	1
10109		1	1	1	0	0	1
10110		1	1	1	0	0	1
10111		1	1	1	0	0	1
10112		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Pre			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10201		1	1	1	0	0	1
10202		1	1	1	0	0	1
10203		1	1	1	0	0	1
10204		1	1	1	0	0	1
10205		1	1	1	0	0	1
10206		1	1	1	0	0	1
10207		1	1	1	0	0	1
10208		1	1	1	0	0	1
10209		1	1	1	0	0	1
10210		1	1	1	0	0	1
10211		1	1	1	0	0	1
10212		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Pre			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10301		1	1	1	0	0	1
10302		1	1	1	0	0	1
10303		1	1	1	0	0	1
10304		1	1	1	0	0	1
10305		1	1	1	0	0	1
10306		1	1	1	0	0	1
10307		1	1	1	0	0	1
10308		1	1	1	0	0	1
10309		1	1	1	0	0	1
10310		1	1	1	0	0	1
10311		1	1	1	0	0	1
10312		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Pre			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10401		1	1	1	0	0	1
10402		1	1	1	0	0	1
10403		1	1	1	0	0	1
10404		1	1	1	0	0	1
10405		1	1	1	0	0	1
10406		1	1	1	0	0	1
10407		1	1	1	0	0	1
10408		1	1	1	0	0	1
10409		1	1	1	0	0	1
10410		1	1	1	0	0	1
10411		1	1	1	0	0	1
10412		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 7			Species : Rat
Sex : Male	Respiratory pattern	Tremor/Convulsion	Rolling	Repetitive circling	Self biting	
Animal No.	Body position/Posture					
10101	1	1	1	0	0	1
10102	1	1	1	0	0	1
10103	1	1	1	0	0	1
10104	1	1	1	0	0	1
10105	1	1	1	0	0	1
10106	1	1	1	0	0	1
10107	1	1	1	0	0	1
10108	1	1	1	0	0	1
10109	1	1	1	0	0	1
10110	1	1	1	0	0	1
10111	1	1	1	0	0	1
10112	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 7			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10201		1	1	1	0	0	1
10202		1	1	1	0	0	1
10203		1	1	1	0	0	1
10204		1	1	1	0	0	1
10205		1	1	1	0	0	1
10206		1	1	1	0	0	1
10207		1	1	1	0	0	1
10208		1	1	1	0	0	1
10209		1	1	1	0	0	1
10210		1	1	1	0	0	1
10211		1	1	1	0	0	1
10212		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 7			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10301		1	1	1	0	0	1
10302		1	1	1	0	0	1
10303		1	1	1	0	0	1
10304		1	1	1	0	0	1
10305		1	1	1	0	0	1
10306		1	1	1	0	0	1
10307		1	1	1	0	0	1
10308		1	1	1	0	0	1
10309		1	1	1	0	0	1
10310		1	1	1	0	0	1
10311		1	1	1	0	0	1
10312		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 7			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10401		1	1	1	0	0	1
10402		1	1	1	0	0	1
10403		1	1	1	0	0	1
10404		1	1	1	0	0	1
10405		1	1	1	0	0	1
10406		1	1	1	0	0	1
10407		1	1	1	0	0	1
10408		1	1	1	0	0	1
10409		1	1	1	0	0	1
10410		1	1	1	0	0	1
10411		1	1	1	0	0	1
10412		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14			Species : Rat
Sex : Male	Respiratory pattern	Tremor/Convulsion	Rolling	Repetitive circling	Self biting	
Animal No.	Body position/Posture					
10101	1	1	1	0	0	1
10102	1	1	1	0	0	1
10103	1	1	1	0	0	1
10104	1	1	1	0	0	1
10105	1	1	1	0	0	1
10106	1	1	1	0	0	1
10107	1	1	1	0	0	1
10108	1	1	1	0	0	1
10109	1	1	1	0	0	1
10110	1	1	1	0	0	1
10111	1	1	1	0	0	1
10112	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14			Species : Rat
Sex : Male	Respiratory pattern	Tremor/Convulsion	Rolling	Repetitive circling	Self biting	
Animal No.	Body position/Posture					
10201	1	1	1	0	0	1
10202	1	1	1	0	0	1
10203	1	1	1	0	0	1
10204	1	1	1	0	0	1
10205	1	1	1	0	0	1
10206	1	1	1	0	0	1
10207	1	1	1	0	0	1
10208	1	1	1	0	0	1
10209	1	1	1	0	0	1
10210	1	1	1	0	0	1
10211	1	1	1	0	0	1
10212	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 14			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10301		1	1	1	0	0	1
10302		1	1	1	0	0	1
10303		1	1	1	0	0	1
10304		1	1	1	0	0	1
10305		1	1	1	0	0	1
10306		1	1	1	0	0	1
10307		1	1	1	0	0	1
10308		1	1	1	0	0	1
10309		1	1	1	0	0	1
10310		1	1	1	0	0	1
10311		1	1	1	0	0	1
10312		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 14			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10401		1	1	1	0	0	1
10402		1	1	1	0	0	1
10403		1	1	1	0	0	1
10404		1	1	1	0	0	1
10405		1	1	1	0	0	1
10406		1	1	1	0	0	1
10407		1	1	1	0	0	1
10408		1	1	1	0	0	1
10409		1	1	1	0	0	1
10410		1	1	1	0	0	1
10411		1	1	1	0	0	1
10412		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21			Species : Rat
Sex : Male	Respiratory pattern	Tremor/Convulsion	Rolling	Repetitive circling	Self biting	
Animal No.	Body position/Posture					
10101	1	1	1	0	0	1
10102	1	1	1	0	0	1
10103	1	1	1	0	0	1
10104	1	1	1	0	0	1
10105	1	1	1	0	0	1
10106	1	1	1	0	0	1
10107	1	1	1	0	0	1
10108	1	1	1	0	0	1
10109	1	1	1	0	0	1
10110	1	1	1	0	0	1
10111	1	1	1	0	0	1
10112	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 21			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10201		1	1	1	0	0	1
10202		1	1	1	0	0	1
10203		1	1	1	0	0	1
10204		1	1	1	0	0	1
10205		1	1	1	0	0	1
10206		1	1	1	0	0	1
10207		1	1	1	0	0	1
10208		1	1	1	0	0	1
10209		1	1	1	0	0	1
10210		1	1	1	0	0	1
10211		1	1	1	0	0	1
10212		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 21			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10301		1	1	1	0	0	1
10302		1	1	1	0	0	1
10303		1	1	1	0	0	1
10304		1	1	1	0	0	1
10305		1	1	1	0	0	1
10306		1	1	1	0	0	1
10307		1	1	1	0	0	1
10308		1	1	1	0	0	1
10309		1	1	1	0	0	1
10310		1	1	1	0	0	1
10311		1	1	1	0	0	1
10312		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 21			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10401		1	1	1	0	0	1
10402		1	1	1	0	0	1
10403		1	1	1	0	0	1
10404		1	1	1	0	0	1
10405		1	1	1	0	0	1
10406		1	1	1	0	0	1
10407		1	1	1	0	0	1
10408		1	1	1	0	0	1
10409		1	1	1	0	0	1
10410		1	1	1	0	0	1
10411		1	1	1	0	0	1
10412		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28			Species : Rat
Sex : Male	Respiratory pattern	Tremor/Convulsion	Rolling	Repetitive circling	Self biting	
Animal No.	Body position/Posture					
10101	1	1	1	0	0	1
10102	1	1	1	0	0	1
10103	1	1	1	0	0	1
10104	1	1	1	0	0	1
10105	1	1	1	0	0	1
10106	1	1	1	0	0	1
10107	1	1	1	0	0	1
10108	1	1	1	0	0	1
10109	1	1	1	0	0	1
10110	1	1	1	0	0	1
10111	1	1	1	0	0	1
10112	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28			Species : Rat
Sex : Male	Respiratory pattern	Tremor/Convulsion	Rolling	Repetitive circling	Self biting	
Animal No.	Body position/Posture					
10201	1	1	1	0	0	1
10202	1	1	1	0	0	1
10203	1	1	1	0	0	1
10204	1	1	1	0	0	1
10205	1	1	1	0	0	1
10206	1	1	1	0	0	1
10207	1	1	1	0	0	1
10208	1	1	1	0	0	1
10209	1	1	1	0	0	1
10210	1	1	1	0	0	1
10211	1	1	1	0	0	1
10212	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 28			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10301		1	1	1	0	0	1
10302		1	1	1	0	0	1
10303		1	1	1	0	0	1
10304		1	1	1	0	0	1
10305		1	1	1	0	0	1
10306		1	1	1	0	0	1
10307		1	1	1	0	0	1
10308		1	1	1	0	0	1
10309		1	1	1	0	0	1
10310		1	1	1	0	0	1
10311		1	1	1	0	0	1
10312		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 28			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10401		1	1	1	0	0	1
10402		1	1	1	0	0	1
10403		1	1	1	0	0	1
10404		1	1	1	0	0	1
10405		1	1	1	0	0	1
10406		1	1	1	0	0	1
10407		1	1	1	0	0	1
10408		1	1	1	0	0	1
10409		1	1	1	0	0	1
10410		1	1	1	0	0	1
10411		1	1	1	0	0	1
10412		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Pre			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50151		1	1	1	0	0	1
50152		1	1	1	0	0	1
50153		1	1	1	0	0	1
50154		1	1	1	0	0	1
50155		1	1	1	0	0	1
50156		1	1	1	0	0	1
50157		1	1	1	0	0	1
50158		1	1	1	0	0	1
50159		1	1	1	0	0	1
50160		1	1	1	0	0	1
50161		1	1	1	0	0	1
50162		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Pre			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50251		1	1	1	0	0	1
50252		1	1	1	0	0	1
50253		1	1	1	0	0	1
50254		1	1	1	0	0	1
50255		1	1	1	0	0	1
50256		1	1	1	0	0	1
50257		1	1	1	0	0	1
50258		1	1	1	0	0	1
50259		1	1	1	0	0	1
50260		1	1	1	0	0	1
50261		1	1	1	0	0	1
50262		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Pre			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50351		1	1	1	0	0	1
50352		1	1	1	0	0	1
50353		1	1	1	0	0	1
50354		1	1	1	0	0	1
50355		1	1	1	0	0	1
50356		1	1	1	0	0	1
50357		1	1	1	0	0	1
50358		1	1	1	0	0	1
50359		1	1	1	0	0	1
50360		1	1	1	0	0	1
50361		1	1	1	0	0	1
50362		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Pre			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50451		1	1	1	0	0	1
50452		1	1	1	0	0	1
50453		1	1	1	0	0	1
50454		1	1	1	0	0	1
50455		1	1	1	0	0	1
50456		1	1	1	0	0	1
50457		1	1	1	0	0	1
50458		1	1	1	0	0	1
50459		1	1	1	0	0	1
50460		1	1	1	0	0	1
50461		1	1	1	0	0	1
50462		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 7			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50151		1	1	1	0	0	1
50152		1	1	1	0	0	1
50153		1	1	1	0	0	1
50154		1	1	1	0	0	1
50155		1	1	1	0	0	1
50156		1	1	1	0	0	1
50157		1	1	1	0	0	1
50158		1	1	1	0	0	1
50159		1	1	1	0	0	1
50160		1	1	1	0	0	1
50161		1	1	1	0	0	1
50162		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 7			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50251		1	1	1	0	0	1
50252		1	1	1	0	0	1
50253		1	1	1	0	0	1
50254		1	1	1	0	0	1
50255		1	1	1	0	0	1
50256		1	1	1	0	0	1
50257		1	1	1	0	0	1
50258		1	1	1	0	0	1
50259		1	1	1	0	0	1
50260		1	1	1	0	0	1
50261		1	1	1	0	0	1
50262		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 7			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50351		1	1	1	0	0	1
50352		1	1	1	0	0	1
50353		1	1	1	0	0	1
50354		1	1	1	0	0	1
50355		1	1	1	0	0	1
50356		1	1	1	0	0	1
50357		1	1	1	0	0	1
50358		1	1	1	0	0	1
50359		1	1	1	0	0	1
50360		1	1	1	0	0	1
50361		1	1	1	0	0	1
50362		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 7			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50451		1	1	1	0	0	1
50452		1	1	1	0	0	1
50453		1	1	1	0	0	1
50454		1	1	1	0	0	1
50455		1	1	1	0	0	1
50456		1	1	1	0	0	1
50457		1	1	1	0	0	1
50458		1	1	1	0	0	1
50459		1	1	1	0	0	1
50460		1	1	1	0	0	1
50461		1	1	1	0	0	1
50462		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14			Species : Rat
Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
Animal No.						
50151	1	1	1	0	0	1
50152	1	1	1	0	0	1
50153	1	1	1	0	0	1
50154	1	1	1	0	0	1
50155	1	1	1	0	0	1
50156	1	1	1	0	0	1
50157	1	1	1	0	0	1
50158	1	1	1	0	0	1
50159	1	1	1	0	0	1
50160	1	1	1	0	0	1
50161	1	1	1	0	0	1
50162	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14			Species : Rat
Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
Animal No.						
50251	1	1	1	0	0	1
50252	1	1	1	0	0	1
50253	1	1	1	0	0	1
50254	1	1	1	0	0	1
50255	1	1	1	0	0	1
50256	1	1	1	0	0	1
50257	1	1	1	0	0	1
50258	1	1	1	0	0	1
50259	1	1	1	0	0	1
50260	1	1	1	0	0	1
50261	1	1	1	0	0	1
50262	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 14			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50351		1	1	1	0	0	1
50352		1	1	1	0	0	1
50353		1	1	1	0	0	1
50354		1	1	1	0	0	1
50355		1	1	1	0	0	1
50356		1	1	1	0	0	1
50357		1	1	1	0	0	1
50358		1	1	1	0	0	1
50359		1	1	1	0	0	1
50360		1	1	1	0	0	1
50361		1	1	1	0	0	1
50362		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 14			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50451		1	1	1	0	0	1
50452		1	1	1	0	0	1
50453		1	1	1	0	0	1
50454		1	1	1	0	0	1
50455		1	1	1	0	0	1
50456		1	1	1	0	0	1
50457		1	1	1	0	0	1
50458		1	1	1	0	0	1
50459		1	1	1	0	0	1
50460		1	1	1	0	0	1
50461		1	1	1	0	0	1
50462		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21			Species : Rat
Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
Animal No.						
50151	1	1	1	0	0	1
50152	1	1	1	0	0	1
50153	1	1	1	0	0	1
50154	1	1	1	0	0	1
50155	1	1	1	0	0	1
50156	1	1	1	0	0	1
50157	1	1	1	0	0	1
50158	1	1	1	0	0	1
50159	1	1	1	0	0	1
50160	1	1	1	0	0	1
50161	1	1	1	0	0	1
50162	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 21			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50251		1	1	1	0	0	1
50252		1	1	1	0	0	1
50253		1	1	1	0	0	1
50254		1	1	1	0	0	1
50255		1	1	1	0	0	1
50256		1	1	1	0	0	1
50257		1	1	1	0	0	1
50258		1	1	1	0	0	1
50259		1	1	1	0	0	1
50260		1	1	1	0	0	1
50261		1	1	1	0	0	1
50262		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 21			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50351		1	1	1	0	0	1
50352		1	1	1	0	0	1
50353		1	1	1	0	0	1
50354		1	1	1	0	0	1
50355		1	1	1	0	0	1
50356		1	1	1	0	0	1
50357		1	1	1	0	0	1
50358		1	1	1	0	0	1
50359		1	1	1	0	0	1
50360		1	1	1	0	0	1
50361		1	1	1	0	0	1
50362		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 21			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50451		1	1	1	0	0	1
50452		1	1	1	0	0	1
50453		1	1	1	0	0	1
50454		1	1	1	0	0	1
50455		1	1	1	0	0	1
50456		1	1	1	0	0	1
50457		1	1	1	0	0	1
50458		1	1	1	0	0	1
50459		1	1	1	0	0	1
50460		1	1	1	0	0	1
50461		1	1	1	0	0	1
50462		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 28			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50151		1	1	1	0	0	1
50152		1	1	1	0	0	1
50153		1	1	1	0	0	1
50154		1	1	1	0	0	1
50155		1	1	1	0	0	1
50156		1	1	1	0	0	1
50157		1	1	1	0	0	1
50158		1	1	1	0	0	1
50159		1	1	1	0	0	1
50160		1	1	1	0	0	1
50161		1	1	1	0	0	1
50162		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 28			Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
50251	1	1	1	0	0	1	
50252	1	1	1	0	0	1	
50253	1	1	1	0	0	1	
50254	1	1	1	0	0	1	
50255	1	1	1	0	0	1	
50256	1	1	1	0	0	1	
50257	1	1	1	0	0	1	
50258	1	1	1	0	0	1	
50259	1	1	1	0	0	1	
50260	1	1	1	0	0	1	
50261	1	1	1	0	0	1	
50262	1	1	1	0	0	1	
n	12	12	12	12	12	12	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 28			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50351		1	1	1	0	0	1
50352		1	1	1	0	0	1
50353		1	1	1	0	0	1
50354		1	1	1	0	0	1
50355		1	1	1	0	0	1
50356		1	1	1	0	0	1
50357		1	1	1	0	0	1
50358		1	1	1	0	0	1
50359		1	1	1	0	0	1
50360		1	1	1	0	0	1
50361		1	1	1	0	0	1
50362		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 28			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50451		1	1	1	0	0	1
50452		1	1	1	0	0	1
50453		1	1	1	0	0	1
50454		1	1	1	0	0	1
50455		1	1	1	0	0	1
50456		1	1	1	0	0	1
50457		1	1	1	0	0	1
50458		1	1	1	0	0	1
50459		1	1	1	0	0	1
50460		1	1	1	0	0	1
50461		1	1	1	0	0	1
50462		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 35			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50151		1	1	1	0	0	1
50152		1	1	1	0	0	1
50153		1	1	1	0	0	1
50154		1	1	1	0	0	1
50155		1	1	1	0	0	1
50156		1	1	1	0	0	1
50157		1	1	1	0	0	1
50158		1	1	1	0	0	1
50159		1	1	1	0	0	1
50160		1	1	1	0	0	1
50161		1	1	1	0	0	1
50162		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 35			Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
50251	1	1	1	0	0	1	
50252	1	1	1	0	0	1	
50253	1	1	1	0	0	1	
50254	1	1	1	0	0	1	
50255	1	1	1	0	0	1	
50256	1	1	1	0	0	1	
50257	1	1	1	0	0	1	
50258	1	1	1	0	0	1	
50259	1	1	1	0	0	1	
50260	1	1	1	0	0	1	
50261	1	1	1	0	0	1	
50262	1	1	1	0	0	1	
n	12	12	12	12	12	12	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 35			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50351		1	1	1	0	0	1
50352		1	1	1	0	0	1
50353		1	1	1	0	0	1
50354		1	1	1	0	0	1
50355		1	1	1	0	0	1
50356		1	1	1	0	0	1
50357		1	1	1	0	0	1
50358		1	1	1	0	0	1
50359		1	1	1	0	0	1
50360		1	1	1	0	0	1
50361		1	1	1	0	0	1
50362		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 35			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50451		1	1	1	0	0	1
50452		1	1	1	0	0	1
50453		1	1	1	0	0	1
50454		1	1	1	0	0	1
50455		1	1	1	0	0	1
50456		1	1	1	0	0	1
50457		1	1	1	0	0	1
50458		1	1	1	0	0	1
50459		1	1	1	0	0	1
50460		1	1	1	0	0	1
50461		1	1	1	0	0	1
50462		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 42			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50151		1	1	1	0	0	1
50152		1	1	1	0	0	1
50153		1	1	1	0	0	1
50154		1	1	1	0	0	1
50155		1	1	1	0	0	1
50156		1	1	1	0	0	1
50157		1	1	1	0	0	1
50158		1	1	1	0	0	1
50160		1	1	1	0	0	1
50161		1	1	1	0	0	1
50162		1	1	1	0	0	1
n		11	11	11	11	11	11

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 42			Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
50251	1	1	1	0	0	1	
50252	1	1	1	0	0	1	
50254	1	1	1	0	0	1	
50255	1	1	1	0	0	1	
50256	1	1	1	0	0	1	
50257	1	1	1	0	0	1	
50258	1	1	1	0	0	1	
50259	1	1	1	0	0	1	
50261	1	1	1	0	0	1	
50262	1	1	1	0	0	1	
n	10	10	10	10	10	10	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 42			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50351		1	1	1	0	0	1
50352		1	1	1	0	0	1
50353		1	1	1	0	0	1
50354		1	1	1	0	0	1
50355		1	1	1	0	0	1
50356		1	1	1	0	0	1
50357		1	1	1	0	0	1
50358		1	1	1	0	0	1
50360		1	1	1	0	0	1
50361		1	1	1	0	0	1
50362		1	1	1	0	0	1
n		11	11	11	11	11	11

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 42			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50451		1	1	1	0	0	1
50452		1	1	1	0	0	1
50453		1	1	1	0	0	1
50454		1	1	1	0	0	1
50455		1	1	1	0	0	1
50456		1	1	1	0	0	1
50457		1	1	1	0	0	1
50458		1	1	1	0	0	1
50459		1	1	1	0	0	1
50460		1	1	1	0	0	1
50461		1	1	1	0	0	1
50462		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 49			Species : Rat
Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
Animal No.						
50151	1	1	1	0	0	1
50152	1	1	1	0	0	1
50153	1	1	1	0	0	1
50154	1	1	1	0	0	1
50155	1	1	1	0	0	1
50156	1	1	1	0	0	1
50157	1	1	1	0	0	1
50158	1	1	1	0	0	1
50160	1	1	1	0	0	1
50161	1	1	1	0	0	1
50162	1	1	1	0	0	1
n	11	11	11	11	11	11

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 49			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50251		1	1	1	0	0	1
50252		1	1	1	0	0	1
50254		1	1	1	0	0	1
50255		1	1	1	0	0	1
50256		1	1	1	0	0	1
50257		1	1	1	0	0	1
50258		1	1	1	0	0	1
50259		1	1	1	0	0	1
50261		1	1	1	0	0	1
50262		1	1	1	0	0	1
n		10	10	10	10	10	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 49			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50351		1	1	1	0	0	1
50352		1	1	1	0	0	1
50353		1	1	1	0	0	1
50354		1	1	1	0	0	1
50355		1	1	1	0	0	1
50356		1	1	1	0	0	1
50357		1	1	1	0	0	1
50358		1	1	1	0	0	1
50360		1	1	1	0	0	1
50361		1	1	1	0	0	1
50362		1	1	1	0	0	1
n		11	11	11	11	11	11

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 49			Species : Rat
	Sex : Female	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50451		1	1	1	0	0	1
50452		1	1	1	0	0	1
50453		1	1	1	0	0	1
50454		1	1	1	0	0	1
50455		1	1	1	0	0	1
50456		1	1	1	0	0	1
50457		1	1	1	0	0	1
50458		1	1	1	0	0	1
50459		1	1	1	0	0	1
50460		1	1	1	0	0	1
50461		1	1	1	0	0	1
50462		1	1	1	0	0	1
n		12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Pre		Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50551	1	1	1	0	0	1
50552	1	1	1	0	0	1
50553	1	1	1	0	0	1
50554	1	1	1	0	0	1
50555	1	1	1	0	0	1
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Pre		Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50651	1	1	1	0	0	1
50652	1	1	1	0	0	1
50653	1	1	1	0	0	1
50654	1	1	1	0	0	1
50655	1	1	1	0	0	1
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50551	1	1	1	0	0	1
50552	1	1	1	0	0	1
50553	1	1	1	0	0	1
50554	1	1	1	0	0	1
50555	1	1	1	0	0	1
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50651	1	1	1	0	0	1
50652	1	1	1	0	0	1
50653	1	1	1	0	0	1
50654	1	1	1	0	0	1
50655	1	1	1	0	0	1
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 14		Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50551	1	1	1	0	0	1
50552	1	1	1	0	0	1
50553	1	1	1	0	0	1
50554	1	1	1	0	0	1
50555	1	1	1	0	0	1
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 14		Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50651	1	1	1	0	0	1
50652	1	1	1	0	0	1
50653	1	1	1	0	0	1
50654	1	1	1	0	0	1
50655	1	1	1	0	0	1
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 21		Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50551	1	1	1	0	0	1
50552	1	1	1	0	0	1
50553	1	1	1	0	0	1
50554	1	1	1	0	0	1
50555	1	1	1	0	0	1
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 21			Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
50651	1	1	1	0	0	1	
50652	1	1	1	0	0	1	
50653	1	1	1	0	0	1	
50654	1	1	1	0	0	1	
50655	1	1	1	0	0	1	
50656	1	1	1	0	0	1	
50657	1	1	1	0	0	1	
50658	1	1	1	0	0	1	
50659	1	1	1	0	0	1	
50660	1	1	1	0	0	1	
n	10	10	10	10	10	10	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 28		Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50551	1	1	1	0	0	1
50552	1	1	1	0	0	1
50553	1	1	1	0	0	1
50554	1	1	1	0	0	1
50555	1	1	1	0	0	1
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Day 28			Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
50651	1	1	1	0	0	1	
50652	1	1	1	0	0	1	
50653	1	1	1	0	0	1	
50654	1	1	1	0	0	1	
50655	1	1	1	0	0	1	
50656	1	1	1	0	0	1	
50657	1	1	1	0	0	1	
50658	1	1	1	0	0	1	
50659	1	1	1	0	0	1	
50660	1	1	1	0	0	1	
n	10	10	10	10	10	10	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Recovery day 7		Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	
10106		1	1	1	0	0
10109		1	1	1	0	0
10110		1	1	1	0	0
10111		1	1	1	0	0
10112		1	1	1	0	0
n		5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Recovery day 7		Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	
10406	1	1	1	1	0	0
10407	1	1	1	1	0	0
10408	1	1	1	1	0	0
10410	1	1	1	1	0	0
10411	1	1	1	1	0	0
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Recovery day 14			Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
10106	1	1	1	1	0	0	1
10109	1	1	1	1	0	0	1
10110	1	1	1	1	0	0	1
10111	1	1	1	1	0	0	1
10112	1	1	1	1	0	0	1
n		5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Recovery day 14		Species : Rat
	Sex : Male	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	
10406	1	1	1	1	0	0
10407	1	1	1	1	0	0
10408	1	1	1	1	0	0
10410	1	1	1	1	0	0
10411	1	1	1	1	0	0
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Recovery day 7		Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Recovery day 7			Species : Rat
Sex : Female (satellite)			Dose : Isooctane 300 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)			Stage : Recovery day 14		Species : Rat
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Recovery day 14			Species : Rat
Sex : Female (satellite)			Dose : Isooctane 300 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal, rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic, systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Pre			Dose : Isooctane 0 mg/kg								
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10101	1	1	2	1	1	1	0	1	1	1	1	1
10102	1	1	2	1	1	1	0	1	1	1	1	1
10103	1	1	2	1	1	1	0	1	1	1	1	1
10104	1	1	2	1	1	1	0	1	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1	1
10106	1	1	2	1	1	1	0	1	1	1	1	1
10107	1	1	2	1	1	1	0	1	1	1	1	1
10108	1	1	2	1	1	1	0	1	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions																						
	10101	0	10102	0	10103	0	10104	0	10105	0	10106	0	10107	0	10108	0	10109	0	10110	0	10111	0	10112
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Pre Dose : Isooctane 30 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10201	1	1	2	1	1	1	0	1	1	1	1	1
10202	1	1	2	1	1	1	0	1	1	1	1	1
10203	1	1	2	1	1	1	0	1	1	1	1	1
10204	1	1	2	1	1	1	0	1	1	1	1	1
10205	1	1	2	1	1	1	0	1	1	1	1	1
10206	1	1	2	1	1	1	0	1	1	1	1	1
10207	1	1	2	1	1	1	0	1	1	1	1	1
10208	1	1	2	1	1	1	0	1	1	1	1	1
10209	1	1	2	1	1	1	0	1	1	1	1	1
10210	1	1	2	1	1	1	0	1	1	1	1	1
10211	1	1	2	1	1	1	0	1	1	1	1	1
10212	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12
<hr/>												
Secretions/ Excretions												
Animal No.												
10201	0											
10202	0											
10203	0											
10204	0											
10205	0											
10206	0											
10207	0											
10208	0											
10209	0											
10210	0											
10211	0											
10212	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Pre			Species : Rat					
	Sex : Male	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
10301		1	1	2	1	1	1	0	1	1	1	1
10302		1	1	2	1	1	1	0	1	1	1	1
10303		1	1	2	1	1	1	0	1	1	1	1
10304		1	1	2	1	1	1	0	1	1	1	1
10305		1	1	2	1	1	1	0	1	1	1	1
10306		1	1	2	1	1	1	0	1	1	1	1
10307		1	1	2	1	1	1	0	1	1	1	1
10308		1	1	2	1	1	1	0	1	1	1	1
10309		1	1	2	1	1	1	0	1	1	1	1
10310		1	1	2	1	1	1	0	1	1	1	1
10311		1	1	2	1	1	1	0	1	1	1	1
10312		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10301	0
10302	0
10303	0
10304	0
10305	0
10306	0
10307	0
10308	0
10309	0
10310	0
10311	0
10312	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)							Species : Rat			
	Stage : Pre		Dose : Isooctane 300 mg/kg			Mucous membranes		Skin	Pupil size	Lacration	Salivation
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes					
10401	1	1	2	1	1	1	0	1	1	1	1
10402	1	1	2	1	1	1	0	1	1	1	1
10403	1	1	2	1	1	1	0	1	1	1	1
10404	1	1	2	1	1	1	0	1	1	1	1
10405	1	1	2	1	1	1	0	1	1	1	1
10406	1	1	2	1	1	1	0	1	1	1	1
10407	1	1	2	1	1	1	0	1	1	1	1
10408	1	1	2	1	1	1	0	1	1	1	1
10409	1	1	2	1	1	1	0	1	1	1	1
10410	1	1	2	1	1	1	0	1	1	1	1
10411	1	1	2	1	1	1	0	1	1	1	1
10412	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10401	0
10402	0
10403	0
10404	0
10405	0
10406	0
10407	0
10408	0
10409	0
10410	0
10411	0
10412	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 7 Dose : Isooctane 0 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10101	1	1	2	1	1	1	0	1	1	1	1	1
10102	1	1	2	1	1	1	0	1	1	1	1	1
10103	1	1	2	1	1	1	0	1	1	1	1	1
10104	1	1	2	1	1	1	0	1	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1	1
10106	1	1	2	1	1	1	0	1	1	1	1	1
10107	1	1	2	1	1	1	0	1	1	1	1	1
10108	1	1	2	1	1	1	0	1	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions											
10101	0											
10102	0											
10103	0											
10104	0											
10105	0											
10106	0											
10107	0											
10108	0											
10109	0											
10110	0											
10111	0											
10112	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 7 Dose : Isooctane 30 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10201	1	1	2	1	1	1	0	1	1	1	1	1
10202	1	1	2	1	1	1	0	1	1	1	1	1
10203	1	1	2	1	1	1	0	1	1	1	1	1
10204	1	1	2	1	1	1	0	1	1	1	1	1
10205	1	1	2	1	1	1	0	1	1	1	1	1
10206	1	1	2	1	1	1	0	1	1	1	1	1
10207	1	1	2	1	1	1	0	1	1	1	1	1
10208	1	1	2	1	1	1	0	1	1	1	1	1
10209	1	1	2	1	1	1	0	1	1	1	1	1
10210	1	1	2	1	1	1	0	1	1	1	1	1
10211	1	1	2	1	1	1	0	1	1	1	1	1
10212	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions																						
	10201	0	10202	0	10203	0	10204	0	10205	0	10206	0	10207	0	10208	0	10209	0	10210	0	10211	0	10212
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 7			Species : Rat					
	Sex : Male	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
10301		1	1	2	1	1	1	0	1	1	1	1
10302		1	1	2	1	1	1	0	1	1	1	1
10303		1	1	2	1	1	1	0	1	1	1	1
10304		1	1	2	1	1	1	0	1	1	1	1
10305		1	1	2	1	1	1	0	1	1	1	1
10306		1	1	2	1	1	1	0	1	1	1	1
10307		1	1	2	1	1	1	0	1	1	1	1
10308		1	1	2	1	1	1	0	1	1	1	1
10309		1	1	2	1	1	1	0	1	1	1	1
10310		1	1	2	1	1	1	0	1	1	1	1
10311		1	1	2	1	1	1	0	1	1	1	1
10312		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10301	0
10302	0
10303	0
10304	0
10305	0
10306	0
10307	0
10308	0
10309	0
10310	0
10311	0
10312	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 7 Dose : Isooctane 300 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10401	1	1	2	1	1	1	0	1	1	1	1	1
10402	1	1	2	1	1	1	0	1	1	1	1	1
10403	1	1	2	1	1	1	0	1	1	1	1	1
10404	1	1	2	1	1	1	0	1	1	1	1	1
10405	1	1	2	1	1	1	0	1	1	1	1	1
10406	1	1	2	1	1	1	0	1	1	1	1	1
10407	1	1	2	1	1	1	0	1	1	1	1	1
10408	1	1	2	1	1	1	0	1	1	1	1	1
10409	1	1	2	1	1	1	0	1	1	1	1	1
10410	1	1	2	1	1	1	0	1	1	1	1	1
10411	1	1	2	1	1	1	0	1	1	1	1	1
10412	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions											
	10401	0	0	0	0	0	0	0	0	0	0	0
10402	0											
10403	0											
10404	0											
10405	0											
10406	0											
10407	0											
10408	0											
10409	0											
10410	0											
10411	0											
10412	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 14 Dose : Isooctane 0 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10101	1	1	2	1	1	1	0	1	1	1	1	1
10102	1	1	2	1	1	1	0	1	1	1	1	1
10103	1	1	2	1	1	1	0	1	1	1	1	1
10104	1	1	2	1	1	1	0	1	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1	1
10106	1	1	2	1	1	1	0	1	1	1	1	1
10107	1	1	2	1	1	1	0	1	1	1	1	1
10108	1	1	2	1	1	1	0	1	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions																						
	10101	0	10102	0	10103	0	10104	0	10105	0	10106	0	10107	0	10108	0	10109	0	10110	0	10111	0	10112
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 14 Dose : Isooctane 30 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10201	1	1	2	1	1	1	0	1	1	1	1	1
10202	1	1	2	1	1	1	0	1	1	1	1	1
10203	1	1	2	1	1	1	0	1	1	1	1	1
10204	1	1	2	1	1	1	0	1	1	1	1	1
10205	1	1	2	1	1	1	0	1	1	1	1	1
10206	1	1	2	1	1	1	0	1	1	1	1	1
10207	1	1	2	1	1	1	0	1	1	1	1	1
10208	1	1	2	1	1	1	0	1	1	1	1	1
10209	1	1	2	1	1	1	0	1	1	1	1	1
10210	1	1	2	1	1	1	0	1	1	1	1	1
10211	1	1	2	1	1	1	0	1	1	1	1	1
10212	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions																						
	10201	0	10202	0	10203	0	10204	0	10205	0	10206	0	10207	0	10208	0	10209	0	10210	0	10211	0	10212
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 14 Dose : Isooctane 100 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10301	1	1	2	1	1	1	0	1	1	1	1	1
10302	1	1	2	1	1	1	0	1	1	1	1	1
10303	1	1	2	1	1	1	0	1	1	1	1	1
10304	1	1	2	1	1	1	0	1	1	1	1	1
10305	1	1	2	1	1	1	0	1	1	1	1	1
10306	1	1	2	1	1	1	0	1	1	1	1	1
10307	1	1	2	1	1	1	0	1	1	1	1	1
10308	1	1	2	1	1	1	0	1	1	1	1	1
10309	1	1	2	1	1	1	0	1	1	1	1	1
10310	1	1	2	1	1	1	0	1	1	1	1	1
10311	1	1	2	1	1	1	0	1	1	1	1	1
10312	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions											
10301	0											
10302	0											
10303	0											
10304	0											
10305	0											
10306	0											
10307	0											
10308	0											
10309	0											
10310	0											
10311	0											
10312	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 14 Dose : Isooctane 300 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10401	1	1	2	1	1	1	0	1	1	1	1	1
10402	1	1	2	1	1	1	0	1	1	1	1	1
10403	1	1	2	1	1	1	0	1	1	1	1	1
10404	1	1	2	1	1	1	0	1	1	1	1	1
10405	1	1	2	1	1	1	0	1	1	1	1	1
10406	1	1	2	1	1	1	0	1	1	1	1	1
10407	1	1	2	1	1	1	0	1	1	1	1	1
10408	1	1	2	1	1	1	0	1	1	1	1	1
10409	1	1	2	1	1	1	0	1	1	1	1	1
10410	1	1	2	1	1	1	0	1	1	1	1	1
10411	1	1	2	1	1	1	0	1	1	1	1	1
10412	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions											
	10401	0										
10402	0											
10403	0											
10404	0											
10405	0											
10406	0											
10407	0											
10408	0											
10409	0											
10410	0											
10411	0											
10412	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 21 Dose : Isooctane 0 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10101	1	1	2	1	1	1	0	1	1	1	1	1
10102	1	1	2	1	1	1	0	1	1	1	1	1
10103	1	1	2	1	1	1	0	1	1	1	1	1
10104	1	1	2	1	1	1	0	1	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1	1
10106	1	1	2	1	1	1	0	1	1	1	1	1
10107	1	1	2	1	1	1	0	1	1	1	1	1
10108	1	1	2	1	1	1	0	1	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions																						
	10101	0	10102	0	10103	0	10104	0	10105	0	10106	0	10107	0	10108	0	10109	0	10110	0	10111	0	10112
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 21 Dose : Isooctane 30 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10201	1	1	2	1	1	1	0	1	1	1	1	1
10202	1	1	2	1	1	1	0	1	1	1	1	1
10203	1	1	2	1	1	1	0	1	1	1	1	1
10204	1	1	2	1	1	1	0	1	1	1	1	1
10205	1	1	2	1	1	1	0	1	1	1	1	1
10206	1	1	2	1	1	1	0	1	1	1	1	1
10207	1	1	2	1	1	1	0	1	1	1	1	1
10208	1	1	2	1	1	1	0	1	1	1	1	1
10209	1	1	2	1	1	1	0	1	1	1	1	1
10210	1	1	2	1	1	1	0	1	1	1	1	1
10211	1	1	2	1	1	1	0	1	1	1	1	1
10212	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions																						
	10201	0	10202	0	10203	0	10204	0	10205	0	10206	0	10207	0	10208	0	10209	0	10210	0	10211	0	10212
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 21 Dose : Isooctane 100 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10301	1	1	2	1	1	1	0	1	1	1	1	1
10302	1	1	2	1	1	1	0	1	1	1	1	1
10303	1	1	2	1	1	1	0	1	1	1	1	1
10304	1	1	2	1	1	1	0	1	1	1	1	1
10305	1	1	2	1	1	1	0	1	1	1	1	1
10306	1	1	2	1	1	1	0	1	1	1	1	1
10307	1	1	2	1	1	1	0	1	1	1	1	1
10308	1	1	2	1	1	1	0	1	1	1	1	1
10309	1	1	2	1	1	1	0	1	1	1	1	1
10310	1	1	2	1	1	1	0	1	1	1	1	1
10311	1	1	2	1	1	1	0	1	1	1	1	1
10312	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions											
10301	0											
10302	0											
10303	0											
10304	0											
10305	0											
10306	0											
10307	0											
10308	0											
10309	0											
10310	0											
10311	0											
10312	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 21 Dose : Isooctane 300 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10401	1	1	2	1	1	1	0	1	1	1	1	1
10402	1	1	2	1	1	1	0	1	1	1	1	1
10403	1	1	2	1	1	1	0	1	1	1	1	1
10404	1	1	2	1	1	1	0	1	1	1	1	1
10405	1	1	2	1	3	1	0	1	1	1	1	1
10406	1	1	2	1	1	1	0	1	1	1	1	1
10407	1	1	2	1	1	1	0	1	1	1	1	1
10408	1	1	2	1	1	1	0	1	1	1	1	1
10409	1	1	2	1	1	1	0	1	1	1	1	1
10410	1	1	2	1	1	1	0	1	1	1	1	1
10411	1	1	2	1	1	1	0	1	1	1	1	1
10412	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions											
	10401	0										
10402	0											
10403	0											
10404	0											
10405	0											
10406	0											
10407	0											
10408	0											
10409	0											
10410	0											
10411	0											
10412	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 28 Dose : Isooctane 0 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10101	1	1	2	1	1	1	0	1	1	1	1	1
10102	1	1	2	1	1	1	0	1	1	1	1	1
10103	1	1	2	1	1	1	0	1	1	1	1	1
10104	1	1	2	1	1	1	0	1	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1	1
10106	1	1	2	1	1	1	0	1	1	1	1	1
10107	1	1	2	1	1	1	0	1	1	1	1	1
10108	1	1	2	1	1	1	0	1	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions																						
	10101	0	10102	0	10103	0	10104	0	10105	0	10106	0	10107	0	10108	0	10109	0	10110	0	10111	0	10112
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 28 Dose : Isooctane 30 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10201	1	1	2	1	1	1	0	1	1	1	1	1
10202	1	1	2	1	1	1	0	1	1	1	1	1
10203	1	1	2	1	1	1	0	1	1	1	1	1
10204	1	1	2	1	1	1	0	1	1	1	1	1
10205	1	1	2	1	1	1	0	1	1	1	1	1
10206	1	1	2	1	1	1	0	1	1	1	1	1
10207	1	1	2	1	1	1	0	1	1	1	1	1
10208	1	1	2	1	1	1	0	1	1	1	1	1
10209	1	1	2	1	1	1	0	1	1	1	1	1
10210	1	1	2	1	1	1	0	1	1	1	1	1
10211	1	1	2	1	1	1	0	1	1	1	1	1
10212	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions																						
	10201	0	10202	0	10203	0	10204	0	10205	0	10206	0	10207	0	10208	0	10209	0	10210	0	10211	0	10212
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 28 Dose : Isooctane 100 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
10301	1	1	2	1	1	1	0	1	1	1	1	1
10302	1	1	2	1	1	1	0	1	1	1	1	1
10303	1	1	2	1	1	1	0	1	1	1	1	1
10304	1	1	2	1	1	1	0	1	1	1	1	1
10305	1	1	2	1	1	1	0	1	1	1	1	1
10306	1	1	2	1	1	1	0	1	1	1	1	1
10307	1	1	2	1	1	1	0	1	1	1	1	1
10308	1	1	2	1	1	1	0	1	1	1	1	1
10309	1	1	2	1	1	1	0	1	1	1	1	1
10310	1	1	2	1	1	1	0	1	1	1	1	1
10311	1	1	2	1	1	1	0	1	1	1	1	1
10312	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions																						
	10301	0	10302	0	10303	0	10304	0	10305	0	10306	0	10307	0	10308	0	10309	0	10310	0	10311	0	10312
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 28			Species : Rat					
	Sex : Male	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
10401		1	1	2	1	1	1	0	1	1	1	1
10402		1	1	2	1	1	1	0	1	1	1	1
10403		1	1	2	1	1	1	0	1	1	1	1
10404		1	1	2	1	1	1	0	1	1	1	1
10405		1	1	2	1	3	1	0	1	1	1	1
10406		1	1	2	1	1	1	0	1	1	1	1
10407		1	1	2	1	1	1	0	1	1	1	1
10408		1	1	2	1	1	1	0	1	1	1	1
10409		1	1	2	1	1	1	0	1	1	1	1
10410		1	1	2	1	1	1	0	1	1	1	1
10411		1	1	2	1	1	1	0	1	1	1	1
10412		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10401	0
10402	0
10403	0
10404	0
10405	0
10406	0
10407	0
10408	0
10409	0
10410	0
10411	0
10412	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Pre			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50151		1	1	2	1	1	1	0	1	1	1	1
50152		1	1	2	1	1	1	0	1	1	1	1
50153		1	1	2	1	1	1	0	1	1	1	1
50154		1	1	2	1	1	1	0	1	1	1	1
50155		1	1	2	1	1	1	0	1	1	1	1
50156		1	1	2	1	1	1	0	1	1	1	1
50157		1	1	2	1	1	1	0	1	1	1	1
50158		1	1	2	1	1	1	0	1	1	1	1
50159		1	1	2	1	1	1	0	1	1	1	1
50160		1	1	2	1	1	1	0	1	1	1	1
50161		1	1	2	1	1	1	0	1	1	1	1
50162		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50151	0
50152	0
50153	0
50154	0
50155	0
50156	0
50157	0
50158	0
50159	0
50160	0
50161	0
50162	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Female	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Pre Dose : Isooctane 30 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
50251	1	1	2	1	1	1	0	1	1	1	1	1
50252	1	1	2	1	1	1	0	1	1	1	1	1
50253	1	1	2	1	1	1	0	1	1	1	1	1
50254	1	1	2	1	1	1	0	1	1	1	1	1
50255	1	1	2	1	1	1	0	1	1	1	1	1
50256	1	1	2	1	1	1	0	1	1	1	1	1
50257	1	1	2	1	1	1	0	1	1	1	1	1
50258	1	1	2	1	1	1	0	1	1	1	1	1
50259	1	1	2	1	1	1	0	1	1	1	1	1
50260	1	1	2	1	1	1	0	1	1	1	1	1
50261	1	1	2	1	1	1	0	1	1	1	1	1
50262	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions											
50251	0											
50252	0											
50253	0											
50254	0											
50255	0											
50256	0											
50257	0											
50258	0											
50259	0											
50260	0											
50261	0											
50262	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Pre			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50351		1	1	2	1	1	1	0	1	1	1	1
50352		1	1	2	1	1	1	0	1	1	1	1
50353		1	1	2	1	1	1	0	1	1	1	1
50354		1	1	2	1	1	1	0	1	1	1	1
50355		1	1	2	1	1	1	0	1	1	1	1
50356		1	1	2	1	1	1	0	1	1	1	1
50357		1	1	2	1	1	1	0	1	1	1	1
50358		1	1	2	1	1	1	0	1	1	1	1
50359		1	1	2	1	1	1	0	1	1	1	1
50360		1	1	2	1	1	1	0	1	1	1	1
50361		1	1	2	1	1	1	0	1	1	1	1
50362		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions	
50351	0	
50352	0	
50353	0	
50354	0	
50355	0	
50356	0	
50357	0	
50358	0	
50359	0	
50360	0	
50361	0	
50362	0	
n	12	

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Pre			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50451		1	1	2	1	1	1	0	1	1	1	1
50452		1	1	2	1	1	1	0	1	1	1	1
50453		1	1	2	1	1	1	0	1	1	1	1
50454		1	1	2	1	1	1	0	1	1	1	1
50455		1	1	2	1	1	1	0	1	1	1	1
50456		1	1	2	1	1	1	0	1	1	1	1
50457		1	1	2	1	1	1	0	1	1	1	1
50458		1	1	2	1	1	1	0	1	1	1	1
50459		1	1	2	1	1	1	0	1	1	1	1
50460		1	1	2	1	1	1	0	1	1	1	1
50461		1	1	2	1	1	1	0	1	1	1	1
50462		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 7			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50151		1	1	2	1	1	1	0	1	1	1	1
50152		1	1	2	1	1	1	0	1	1	1	1
50153		1	1	2	1	1	1	0	1	1	1	1
50154		1	1	2	1	1	1	0	1	1	1	1
50155		1	1	2	1	1	1	0	1	1	1	1
50156		1	1	2	1	1	1	0	1	1	1	1
50157		1	1	2	1	1	1	0	1	1	1	1
50158		1	1	2	1	1	1	0	1	1	1	1
50159		1	1	2	1	1	1	0	1	1	1	1
50160		1	1	2	1	1	1	0	1	1	1	1
50161		1	1	2	1	1	1	0	1	1	1	1
50162		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50151	0
50152	0
50153	0
50154	0
50155	0
50156	0
50157	0
50158	0
50159	0
50160	0
50161	0
50162	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 7			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50251		1	1	2	1	1	1	0	1	1	1	1
50252		1	1	2	1	1	1	0	1	1	1	1
50253		1	1	2	1	1	1	0	1	1	1	1
50254		1	1	2	1	1	1	0	1	1	1	1
50255		1	1	2	1	1	1	0	1	1	1	1
50256		1	1	2	1	1	1	0	1	1	1	1
50257		1	1	2	1	1	1	0	1	1	1	1
50258		1	1	2	1	1	1	0	1	1	1	1
50259		1	1	2	1	1	1	0	1	1	1	1
50260		1	1	2	1	1	1	0	1	1	1	1
50261		1	1	2	1	1	1	0	1	1	1	1
50262		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50251	0
50252	0
50253	0
50254	0
50255	0
50256	0
50257	0
50258	0
50259	0
50260	0
50261	0
50262	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 7			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50351		1	1	2	1	1	1	0	1	1	1	1
50352		1	1	2	1	1	1	0	1	1	1	1
50353		1	1	2	1	1	1	0	1	1	1	1
50354		1	1	2	1	1	1	0	1	1	1	1
50355		1	1	2	1	1	1	0	1	1	1	1
50356		1	1	2	1	1	1	0	1	1	1	1
50357		1	1	2	1	1	1	0	1	1	1	1
50358		1	1	2	1	1	1	0	1	1	1	1
50359		1	1	2	1	1	1	0	1	1	1	1
50360		1	1	2	1	1	1	0	1	1	1	1
50361		1	1	2	1	1	1	0	1	1	1	1
50362		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50351	0
50352	0
50353	0
50354	0
50355	0
50356	0
50357	0
50358	0
50359	0
50360	0
50361	0
50362	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 7			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50451		1	1	2	1	1	1	0	1	1	1	1
50452		1	1	2	1	1	1	0	1	1	1	1
50453		1	1	2	1	1	1	0	1	1	1	1
50454		1	1	2	1	1	1	0	1	1	1	1
50455		1	1	2	1	1	1	0	1	1	1	1
50456		1	1	2	1	1	1	0	1	1	1	1
50457		1	1	2	1	1	1	0	1	1	1	1
50458		1	1	2	1	1	1	0	1	1	1	1
50459		1	1	2	1	1	1	0	1	1	1	1
50460		1	1	2	1	1	1	0	1	1	1	1
50461		1	1	2	1	1	1	0	1	1	1	1
50462		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions										
	50451	0	0	0	0	0	0	0	0	0	0
50452	0										
50453	0										
50454	0										
50455	0										
50456	0										
50457	0										
50458	0										
50459	0										
50460	0										
50461	0										
50462	0										
n	12										

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Female	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 14 Dose : Isooctane 0 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
50151	1	1	2	1	1	1	0	1	1	1	1	1
50152	1	1	2	1	1	1	0	1	1	1	1	1
50153	1	1	2	1	1	1	0	1	1	1	1	1
50154	1	1	2	1	1	1	0	1	1	1	1	1
50155	1	1	2	1	1	1	0	1	1	1	1	1
50156	1	1	2	1	1	1	0	1	1	1	1	1
50157	1	1	2	1	1	1	0	1	1	1	1	1
50158	1	1	2	1	1	1	0	1	1	1	1	1
50159	1	1	2	1	1	1	0	1	1	1	1	1
50160	1	1	2	1	1	1	0	1	1	1	1	1
50161	1	1	2	1	1	1	0	1	1	1	1	1
50162	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions											
50151	0											
50152	0											
50153	0											
50154	0											
50155	0											
50156	0											
50157	0											
50158	0											
50159	0											
50160	0											
50161	0											
50162	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Female	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 14 Dose : Isooctane 30 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
50251	1	1	2	1	1	1	0	1	1	1	1	1
50252	1	1	2	1	1	1	0	1	1	1	1	1
50253	1	1	2	1	1	1	0	1	1	1	1	1
50254	1	1	2	1	1	1	0	1	1	1	1	1
50255	1	1	2	1	1	1	0	1	1	1	1	1
50256	1	1	2	1	1	1	0	1	1	1	1	1
50257	1	1	2	1	1	1	0	1	1	1	1	1
50258	1	1	2	1	1	1	0	1	1	1	1	1
50259	1	1	2	1	1	1	0	1	1	1	1	1
50260	1	1	2	1	1	1	0	1	1	1	1	1
50261	1	1	2	1	1	1	0	1	1	1	1	1
50262	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	
<hr/>												
Secretions/ Excretions												
Animal No.												
50251	0											
50252	0											
50253	0											
50254	0											
50255	0											
50256	0											
50257	0											
50258	0											
50259	0											
50260	0											
50261	0											
50262	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 14			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50351		1	1	2	1	1	1	0	1	1	1	1
50352		1	1	2	1	1	1	0	1	1	1	1
50353		1	1	2	1	1	1	0	1	1	1	1
50354		1	1	2	1	1	1	0	1	1	1	1
50355		1	1	2	1	1	1	0	1	1	1	1
50356		1	1	2	1	1	1	0	1	1	1	1
50357		1	1	2	1	1	1	0	1	1	1	1
50358		1	1	2	1	1	1	0	1	1	1	1
50359		1	1	2	1	1	1	0	1	1	1	1
50360		1	1	2	1	1	1	0	1	1	1	1
50361		1	1	2	1	1	1	0	1	1	1	1
50362		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50351	0
50352	0
50353	0
50354	0
50355	0
50356	0
50357	0
50358	0
50359	0
50360	0
50361	0
50362	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female		Detailed clinical observation (on the hand)						Species : Rat		
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50451	1	1	2	1	1	1	0	1	1	1	1
50452	1	1	2	1	1	1	0	1	1	1	1
50453	1	1	2	1	1	1	0	1	1	1	1
50454	1	1	2	1	1	1	0	1	1	1	1
50455	1	1	2	1	1	1	0	1	1	1	1
50456	1	1	2	1	1	1	0	1	1	1	1
50457	1	1	2	1	1	1	0	1	1	1	1
50458	1	1	2	1	1	1	0	1	1	1	1
50459	1	1	2	1	1	1	0	1	1	1	1
50460	1	1	2	1	1	1	0	1	1	1	1
50461	1	1	2	1	1	1	0	1	1	1	1
50462	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female		Detailed clinical observation (on the hand)										Species : Rat
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation		
50151	1	1	2	1	1	1	0	1	1	1	1	1	
50152	1	1	2	1	1	1	0	1	1	1	1	1	
50153	1	1	2	1	1	1	0	1	1	1	1	1	
50154	1	1	2	1	1	1	0	1	1	1	1	1	
50155	1	1	2	1	1	1	0	1	1	1	1	1	
50156	1	1	2	1	1	1	0	1	1	1	1	1	
50157	1	1	2	1	1	1	0	1	1	1	1	1	
50158	1	1	2	1	1	1	0	1	1	1	1	1	
50159	1	1	2	1	1	1	0	1	1	1	1	1	
50160	1	1	2	1	1	1	0	1	1	1	1	1	
50161	1	1	2	1	1	1	0	1	1	1	1	1	
50162	1	1	2	1	1	1	0	1	1	1	1	1	
n	12	12	12	12	12	12	12	12	12	12	12	12	

Animal No.	Secretions/ Excretions	
	0	1
50151	0	
50152	0	
50153	0	
50154	0	
50155	0	
50156	0	
50157	0	
50158	0	
50159	0	
50160	0	
50161	0	
50162	0	
n	12	

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Female	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 21 Dose : Isooctane 30 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
50251	1	1	2	1	1	1	0	1	1	1	1	1
50252	1	1	2	1	1	1	0	1	1	1	1	1
50253	1	1	2	1	1	1	0	1	1	1	1	1
50254	1	1	2	1	1	1	0	1	1	1	1	1
50255	1	1	2	1	1	1	0	1	1	1	1	1
50256	1	1	2	1	1	1	0	1	1	1	1	1
50257	1	1	2	1	1	1	0	1	1	1	1	1
50258	1	1	2	1	1	1	0	1	1	1	1	1
50259	1	1	2	1	1	1	0	1	1	1	1	1
50260	1	1	2	1	1	1	0	1	1	1	1	1
50261	1	1	2	1	1	1	0	1	1	1	1	1
50262	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions											
50251	0											
50252	0											
50253	0											
50254	0											
50255	0											
50256	0											
50257	0											
50258	0											
50259	0											
50260	0											
50261	0											
50262	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female		Detailed clinical observation (on the hand)						Species : Rat		
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50351	1	1	2	1	1	1	0	1	1	1	1
50352	1	1	2	1	1	1	0	1	1	1	1
50353	1	1	2	1	1	1	0	1	1	1	1
50354	1	1	2	1	1	1	0	1	1	1	1
50355	1	1	2	1	1	1	0	1	1	1	1
50356	1	1	2	1	1	1	0	1	1	1	1
50357	1	1	2	1	1	1	0	1	1	1	1
50358	1	1	2	1	1	1	0	1	1	1	1
50359	1	1	2	1	1	1	0	1	1	1	1
50360	1	1	2	1	1	1	0	1	1	1	1
50361	1	1	2	1	1	1	0	1	1	1	1
50362	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50351	0
50352	0
50353	0
50354	0
50355	0
50356	0
50357	0
50358	0
50359	0
50360	0
50361	0
50362	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 21			Mucous membranes	Skin	Pupil size	Lacration	Species : Rat
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur					
50451		1	1	2	1	1	1	0	1	1	1
50452		1	1	2	1	1	1	0	1	1	1
50453		1	1	2	1	1	1	0	1	1	1
50454		1	1	2	1	1	1	0	1	1	1
50455		1	1	2	1	1	1	0	1	1	1
50456		1	1	2	1	1	1	0	1	1	1
50457		1	1	2	1	1	1	0	1	1	1
50458		1	1	2	1	1	1	0	1	1	1
50459		1	1	2	1	1	1	0	1	1	1
50460		1	1	2	1	1	1	0	1	1	1
50461		1	1	2	1	1	1	0	1	1	1
50462		1	1	2	1	1	1	0	1	1	1
n		12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female		Detailed clinical observation (on the hand)						Species : Rat		
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50151	1	1	2	1	1	1	0	1	1	1	1
50152	1	1	2	1	1	1	0	1	1	1	1
50153	1	1	2	1	1	1	0	1	1	1	1
50154	1	1	2	1	1	1	0	1	1	1	1
50155	1	1	2	1	1	1	0	1	1	1	1
50156	1	1	2	1	1	1	0	1	1	1	1
50157	1	1	2	1	1	1	0	1	1	1	1
50158	1	1	2	1	1	1	0	1	1	1	1
50159	1	1	2	1	1	1	0	1	1	1	1
50160	1	1	2	1	1	1	0	1	1	1	1
50161	1	1	2	1	1	1	0	1	1	1	1
50162	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50151	0
50152	0
50153	0
50154	0
50155	0
50156	0
50157	0
50158	0
50159	0
50160	0
50161	0
50162	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Female	Detailed clinical observation (on the hand)											Species : Rat
	Stage : Day 28 Dose : Isooctane 30 mg/kg											
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
50251	1	1	2	1	1	1	0	1	1	1	1	1
50252	1	1	2	1	1	1	0	1	1	1	1	1
50253	1	1	2	1	1	1	0	1	1	1	1	1
50254	1	1	2	1	1	1	0	1	1	1	1	1
50255	1	1	2	1	1	1	0	1	1	1	1	1
50256	1	1	2	1	1	1	0	1	1	1	1	1
50257	1	1	2	1	1	1	0	1	1	1	1	1
50258	1	1	2	1	1	1	0	1	1	1	1	1
50259	1	1	2	1	1	1	0	1	1	1	1	1
50260	1	1	2	1	1	1	0	1	1	1	1	1
50261	1	1	2	1	1	1	0	1	1	1	1	1
50262	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions											
50251	0											
50252	0											
50253	0											
50254	0											
50255	0											
50256	0											
50257	0											
50258	0											
50259	0											
50260	0											
50261	0											
50262	0											
n	12											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female		Detailed clinical observation (on the hand)										Species : Rat
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation		
50351	1	1	2	1	1	1	0	1	1	1	1	1	
50352	1	1	2	1	1	1	0	1	1	1	1	1	
50353	1	1	2	1	1	1	0	1	1	1	1	1	
50354	1	1	2	1	1	1	0	1	1	1	1	1	
50355	1	1	2	1	1	1	0	1	1	1	1	1	
50356	1	1	2	1	1	1	0	1	1	1	1	1	
50357	1	1	2	1	1	1	0	1	1	1	1	1	
50358	1	1	2	1	1	1	0	1	1	1	1	1	
50359	1	1	2	1	1	1	0	1	1	1	1	1	
50360	1	1	2	1	1	1	0	1	1	1	1	1	
50361	1	1	2	1	1	1	0	1	1	1	1	1	
50362	1	1	2	1	1	1	0	1	1	1	1	1	
n	12	12	12	12	12	12	12	12	12	12	12	12	

Animal No.	Secretions/ Excretions	
	0	1
50351	0	
50352	0	
50353	0	
50354	0	
50355	0	
50356	0	
50357	0	
50358	0	
50359	0	
50360	0	
50361	0	
50362	0	
n	12	

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 28			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50451		1	1	2	1	1	1	0	1	1	1	1
50452		1	1	2	1	1	1	0	1	1	1	1
50453		1	1	2	1	1	1	0	1	1	1	1
50454		1	1	2	1	1	1	0	1	1	1	1
50455		1	1	2	1	1	1	0	1	1	1	1
50456		1	1	2	1	1	1	0	1	1	1	1
50457		1	1	2	1	1	1	0	1	1	1	1
50458		1	1	2	1	1	1	0	1	1	1	1
50459		1	1	2	1	1	1	0	1	1	1	1
50460		1	1	2	1	1	1	0	1	1	1	1
50461		1	1	2	1	1	1	0	1	1	1	1
50462		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female		Detailed clinical observation (on the hand)						Species : Rat		
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50151	1	1	2	1	1	1	0	1	1	1	1
50152	1	1	2	1	1	1	0	1	1	1	1
50153	1	1	2	1	1	1	0	1	1	1	1
50154	1	1	2	1	1	1	0	1	1	1	1
50155	1	1	2	1	1	1	0	1	1	1	1
50156	1	1	2	1	1	1	0	1	1	1	1
50157	1	1	2	1	1	1	0	1	1	1	1
50158	1	1	2	1	1	1	0	1	1	1	1
50159	1	1	2	1	1	1	0	1	1	1	1
50160	1	1	2	1	1	1	0	1	1	1	1
50161	1	1	2	1	1	1	0	1	1	1	1
50162	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50151	0
50152	0
50153	0
50154	0
50155	0
50156	0
50157	0
50158	0
50159	0
50160	0
50161	0
50162	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 35			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50251		1	1	2	1	1	1	0	1	1	1	1
50252		1	1	2	1	1	1	0	1	1	1	1
50253		1	1	2	1	1	1	0	1	1	1	1
50254		1	1	2	1	1	1	0	1	1	1	1
50255		1	1	2	1	1	1	0	1	1	1	1
50256		1	1	2	1	1	1	0	1	1	1	1
50257		1	1	2	1	1	1	0	1	1	1	1
50258		1	1	2	1	1	1	0	1	1	1	1
50259		1	1	2	1	1	1	0	1	1	1	1
50260		1	1	2	1	1	1	0	1	1	1	1
50261		1	1	2	1	1	1	0	1	1	1	1
50262		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50251	0
50252	0
50253	0
50254	0
50255	0
50256	0
50257	0
50258	0
50259	0
50260	0
50261	0
50262	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female		Detailed clinical observation (on the hand)						Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation	
50351	1	1	2	1	1	1	0	1	1	1	1	1
50352	1	1	2	1	1	1	0	1	1	1	1	1
50353	1	1	2	1	1	1	0	1	1	1	1	1
50354	1	1	2	1	1	1	0	1	1	1	1	1
50355	1	1	2	1	1	1	0	1	1	1	1	1
50356	1	1	2	1	1	1	0	1	1	1	1	1
50357	1	1	2	1	1	1	0	1	1	1	1	1
50358	1	1	2	1	1	1	0	1	1	1	1	1
50359	1	1	2	1	1	1	0	1	1	1	1	1
50360	1	1	2	1	1	1	0	1	1	1	1	1
50361	1	1	2	1	1	1	0	1	1	1	1	1
50362	1	1	2	1	1	1	0	1	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions	
	0	
50351	0	
50352	0	
50353	0	
50354	0	
50355	0	
50356	0	
50357	0	
50358	0	
50359	0	
50360	0	
50361	0	
50362	0	
n	12	

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female		Detailed clinical observation (on the hand)						Species : Rat		
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50451	1	1	2	1	1	1	0	1	1	1	1
50452	1	1	2	1	1	1	0	1	1	1	1
50453	1	1	2	1	1	1	0	1	1	1	1
50454	1	1	2	1	1	1	0	1	1	1	1
50455	1	1	2	1	1	1	0	1	1	1	1
50456	1	1	2	1	1	1	0	1	1	1	1
50457	1	1	2	1	1	1	0	1	1	1	1
50458	1	1	2	1	1	1	0	1	1	1	1
50459	1	1	2	1	1	1	0	1	1	1	1
50460	1	1	2	1	1	1	0	1	1	1	1
50461	1	1	2	1	1	1	0	1	1	1	1
50462	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 42			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50151		1	1	2	1	1	1	0	1	1	1	1
50152		1	1	2	1	1	1	0	1	1	1	1
50153		1	1	2	1	1	1	0	1	1	1	1
50154		1	1	2	1	1	1	0	1	1	1	1
50155		1	1	2	1	1	1	0	1	1	1	1
50156		1	1	2	1	1	1	0	1	1	1	1
50157		1	1	2	1	1	1	0	1	1	1	1
50158		1	1	2	1	1	1	0	1	1	1	1
50160		1	1	2	1	1	1	0	1	1	1	1
50161		1	1	2	1	1	1	0	1	1	1	1
50162		1	1	2	1	1	1	0	1	1	1	1
n		11	11	11	11	11	11	11	11	11	11	11
<hr/>												
Animal No.	Secretions/ Excretions											
	50151	0										
50152	0											
50153	0											
50154	0											
50155	0											
50156	0											
50157	0											
50158	0											
50160	0											
50161	0											
50162	0											
n	11											

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female		Detailed clinical observation (on the hand)										Species : Rat	
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation			
50251	1	1	2	1	1	1	0	1	1	1	1		1	
50252	1	1	2	1	1	1	0	1	1	1	1		1	
50254	1	1	2	1	1	1	0	1	1	1	1		1	
50255	1	1	2	1	1	1	0	1	1	1	1		1	
50256	1	1	2	1	1	1	0	1	1	1	1		1	
50257	1	1	2	1	1	1	0	1	1	1	1		1	
50258	1	1	2	1	1	1	0	1	1	1	1		1	
50259	1	1	2	1	1	1	0	1	1	1	1		1	
50261	1	1	2	1	1	1	0	1	1	1	1		1	
50262	1	1	2	1	1	1	0	1	1	1	1		1	
n	10	10	10	10	10	10	10	10	10	10	10		10	
<hr/>														
Secretions/ Excretions														
Animal No.														
50251	0													
50252	0													
50254	0													
50255	0													
50256	0													
50257	0													
50258	0													
50259	0													
50261	0													
50262	0													
n	10													

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) 1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 42			Mucous membranes	Skin	Pupil size	Lacration	Species : Rat
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes				
50351		1	1	2	1	1	1	0	1	1	1
50352		1	1	2	1	1	1	0	1	1	1
50353		1	1	2	1	1	1	0	1	1	1
50354		1	1	2	1	1	1	0	1	1	1
50355		1	1	2	1	1	1	0	1	1	1
50356		1	1	2	1	1	1	0	1	1	1
50357		1	1	2	1	1	1	0	1	1	1
50358		1	1	2	1	1	1	0	1	1	1
50360		1	1	2	1	1	1	0	1	1	1
50361		1	1	2	1	1	1	0	1	1	1
50362		1	1	2	1	1	1	0	1	1	1
n		11	11	11	11	11	11	11	11	11	11
<hr/>											
Animal No.	Secretions/ Excretions										
	50351	0									
50352	0										
50353	0										
50354	0										
50355	0										
50356	0										
50357	0										
50358	0										
50360	0										
50361	0										
50362	0										
n	11										

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 42			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50451		1	1	2	1	1	1	0	1	1	1	1
50452		1	1	2	1	1	1	0	1	1	1	1
50453		1	1	2	1	1	1	0	1	1	1	1
50454		1	1	2	1	1	1	0	1	1	1	1
50455		1	1	2	1	1	1	0	1	1	1	1
50456		1	1	2	1	1	1	0	1	1	1	1
50457		1	1	2	1	1	1	0	1	1	1	1
50458		1	1	2	1	1	1	0	1	1	1	1
50459		1	1	2	1	1	1	0	1	1	1	1
50460		1	1	2	1	1	1	0	1	1	1	1
50461		1	1	2	1	1	1	0	1	1	1	1
50462		1	1	2	1	1	1	0	1	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 49			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50151		1	1	2	1	1	1	0	1	1	1	1
50152		1	1	2	1	1	1	0	1	1	1	1
50153		1	1	2	1	1	1	0	1	1	1	1
50154		1	1	2	1	1	1	0	1	1	1	1
50155		1	1	2	1	1	1	0	1	1	1	1
50156		1	1	2	1	1	1	0	1	1	1	1
50157		1	1	2	1	1	1	0	1	1	1	1
50158		1	1	2	1	1	1	0	1	1	1	1
50160		1	1	2	1	1	1	0	1	1	1	1
50161		1	1	2	1	1	1	0	1	1	1	1
50162		1	1	2	1	1	1	0	1	1	1	1
n		11	11	11	11	11	11	11	11	11	11	11
<hr/>												
Secretions/ Excretions												
Animal No.												
50151		0										
50152		0										
50153		0										
50154		0										
50155		0										
50156		0										
50157		0										
50158		0										
50160		0										
50161		0										
50162		0										
n		11										

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female		Detailed clinical observation (on the hand)										Species : Rat	
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation			
50251	1	1	2	1	1	1	0	1	1	1	1		1	
50252	1	1	2	1	1	1	0	1	1	1	1		1	
50254	1	1	2	1	1	1	0	1	1	1	1		1	
50255	1	1	2	1	1	1	0	1	1	1	1		1	
50256	1	1	2	1	1	1	0	1	1	1	1		1	
50257	1	1	2	1	1	1	0	1	1	1	1		1	
50258	1	1	2	1	1	1	0	1	1	1	1		1	
50259	1	1	2	1	1	1	0	1	1	1	1		1	
50261	1	1	2	1	1	1	0	1	1	1	1		1	
50262	1	1	2	1	1	1	0	1	1	1	1		1	
n	10	10	10	10	10	10	10	10	10	10	10		10	
<hr/>														
Secretions/ Excretions														
Animal No.														
50251	0													
50252	0													
50254	0													
50255	0													
50256	0													
50257	0													
50258	0													
50259	0													
50261	0													
50262	0													
n	10													

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) 1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 49			Species : Rat					
	Sex : Female	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
50351		1	1	2	1	1	1	0	1	1	1	1
50352		1	1	2	1	1	1	0	1	1	1	1
50353		1	1	2	1	1	1	0	1	1	1	1
50354		1	1	2	1	1	1	0	1	1	1	1
50355		1	1	2	1	1	1	0	1	1	1	1
50356		1	1	2	1	1	1	0	1	1	1	1
50357		1	1	2	1	1	1	0	1	1	1	1
50358		1	1	2	1	1	1	0	1	1	1	1
50360		1	1	2	1	1	1	0	1	1	1	1
50361		1	1	2	1	1	1	0	1	1	1	1
50362		1	1	2	1	1	1	0	1	1	1	1
n		11	11	11	11	11	11	11	11	11	11	11
<hr/>												
Secretions/ Excretions												
Animal No.												
50351		0										
50352		0										
50353		0										
50354		0										
50355		0										
50356		0										
50357		0										
50358		0										
50360		0										
50361		0										
50362		0										
n		11										

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female		Detailed clinical observation (on the hand)		Stage : Day 49		Mucous membranes	Skin	Pupil size	Species : Rat	
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes				Lacration	Salivation
50451	1	1	2	1	1	1	0	1	1	1	1
50452	1	1	2	1	1	1	0	1	1	1	1
50453	1	1	2	1	1	1	0	1	1	1	1
50454	1	1	2	1	1	1	0	1	1	1	1
50455	1	1	2	1	1	1	0	1	1	1	1
50456	1	1	2	1	1	1	0	1	1	1	1
50457	1	1	2	1	1	1	0	1	1	1	1
50458	1	1	2	1	1	1	0	1	1	1	1
50459	1	1	2	1	1	1	0	1	1	1	1
50460	1	1	2	1	1	1	0	1	1	1	1
50461	1	1	2	1	1	1	0	1	1	1	1
50462	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Pre			Species : Rat				
	Sex : Female (satellite)		Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
	Ease of Removal	Ease of Handling									
50551	1	1	2	1	1	1	0	1	1	1	1
50552	1	1	2	1	1	1	0	1	1	1	1
50553	1	1	2	1	1	1	0	1	1	1	1
50554	1	1	2	1	1	1	0	1	1	1	1
50555	1	1	2	1	1	1	0	1	1	1	1
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50551	0
50552	0
50553	0
50554	0
50555	0
50556	0
50557	0
50558	0
50559	0
50560	0
n	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Pre			Species : Rat				
	Sex : Female (satellite)		Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
	Ease of Removal	Ease of Handling									
50651	1	1	2	1	1	1	0	1	1	1	1
50652	1	1	2	1	1	1	0	1	1	1	1
50653	1	1	2	1	1	1	0	1	1	1	1
50654	1	1	2	1	1	1	0	1	1	1	1
50655	1	1	2	1	1	1	0	1	1	1	1
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50651	0
50652	0
50653	0
50654	0
50655	0
50656	0
50657	0
50658	0
50659	0
50660	0
n	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 7			Species : Rat				
	Sex : Female (satellite)		Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
	Ease of Removal	Ease of Handling									
50551	1	1	2	1	1	1	0	1	1	1	1
50552	1	1	2	1	1	1	0	1	1	1	1
50553	1	1	2	1	1	1	0	1	1	1	1
50554	1	1	2	1	1	1	0	1	1	1	1
50555	1	1	2	1	1	1	0	1	1	1	1
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50551	0
50552	0
50553	0
50554	0
50555	0
50556	0
50557	0
50558	0
50559	0
50560	0
n	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 7			Species : Rat				
	Sex : Female (satellite)		Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
	Ease of Removal	Ease of Handling									
50651	1	1	2	1	1	1	0	1	1	1	1
50652	1	1	2	1	1	1	0	1	1	1	1
50653	1	1	2	1	1	1	0	1	1	1	1
50654	1	1	2	1	1	1	0	1	1	1	1
50655	1	1	2	1	1	1	0	1	1	1	1
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50651	0
50652	0
50653	0
50654	0
50655	0
50656	0
50657	0
50658	0
50659	0
50660	0
n	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 14		Species : Rat						
	Sex : Female (satellite)	Specie	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50551	1	1	2	1	1	1	0	1	1	1	1
50552	1	1	2	1	1	1	0	1	1	1	1
50553	1	1	2	1	1	1	0	1	1	1	1
50554	1	1	2	1	1	1	0	1	1	1	1
50555	1	1	2	1	1	1	0	1	1	1	1
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50551	0
50552	0
50553	0
50554	0
50555	0
50556	0
50557	0
50558	0
50559	0
50560	0
n	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 14			Species : Rat				
	Sex : Female (satellite)		Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacration	Salivation
	Ease of Removal	Ease of Handling									
50651	1	1	2	1	1	1	0	1	1	1	1
50652	1	1	2	1	1	1	0	1	1	1	1
50653	1	1	2	1	1	1	0	1	1	1	1
50654	1	1	2	1	1	1	0	1	1	1	1
50655	1	1	2	1	1	1	0	1	1	1	1
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50651	0
50652	0
50653	0
50654	0
50655	0
50656	0
50657	0
50658	0
50659	0
50660	0
n	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacration) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 21		Species : Rat						
	Sex : Female (satellite)	Specie	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50551	1	1	2	1	1	1	0	1	1	1	1
50552	1	1	2	1	1	1	0	1	1	1	1
50553	1	1	2	1	1	1	0	1	1	1	1
50554	1	1	2	1	1	1	0	1	1	1	1
50555	1	1	2	1	1	1	0	1	1	1	1
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions	
	Specie	Specie
50551	0	
50552	0	
50553	0	
50554	0	
50555	0	
50556	0	
50557	0	
50558	0	
50559	0	
50560	0	
n	10	

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Day 21			Species : Rat				
	Sex : Female (satellite)		Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
	Ease of Removal	Ease of Handling									
50651	1	1	2	1	1	1	0	1	1	1	1
50652	1	1	2	1	1	1	0	1	1	1	1
50653	1	1	2	1	1	1	0	1	1	1	1
50654	1	1	2	1	1	1	0	1	1	1	1
50655	1	1	2	1	1	1	0	1	1	1	1
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50651	0
50652	0
50653	0
50654	0
50655	0
50656	0
50657	0
50658	0
50659	0
50660	0
n	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 28		Species : Rat						
	Sex : Female (satellite)	Specie	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50551	1	1	2	1	1	1	0	1	1	1	1
50552	1	1	2	1	1	1	0	1	1	1	1
50553	1	1	2	1	1	1	0	1	1	1	1
50554	1	1	2	1	1	1	0	1	1	1	1
50555	1	1	2	1	1	1	0	1	1	1	1
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50551	0
50552	0
50553	0
50554	0
50555	0
50556	0
50557	0
50558	0
50559	0
50560	0
n	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 28		Species : Rat						
	Sex : Female (satellite)	Specie	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50651	1	1	2	1	1	1	0	1	1	1	1
50652	1	1	2	1	1	1	0	1	1	1	1
50653	1	1	2	1	1	1	0	1	1	1	1
50654	1	1	2	1	1	1	0	1	1	1	1
50655	1	1	2	1	1	1	0	1	1	1	1
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions	
	Specie	Specie
50651	0	
50652	0	
50653	0	
50654	0	
50655	0	
50656	0	
50657	0	
50658	0	
50659	0	
50660	0	
n	10	

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)										Species : Rat
	Stage : Recovery day 7 Dose : Isooctane 0 mg/kg										
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10106	1	1	2	1	1	1	0	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
10106	0
10109	0
10110	0
10111	0
10112	0
n	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) 1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Recovery day 7			Species : Rat					
	Sex : Male	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10406		1	1	2	1	1	1	0	1	1	1	1
10407		1	1	2	1	1	1	0	1	1	1	1
10408		1	1	2	1	1	1	0	1	1	1	1
10410		1	1	2	1	1	1	0	1	1	1	1
10411		1	1	2	1	1	1	0	1	1	1	1
n		5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
10406	0
10407	0
10408	0
10410	0
10411	0
n	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (on the hand)										Species : Rat
	Stage : Recovery day 14 Dose : Isooctane 0 mg/kg										
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10106	1	1	2	1	1	1	0	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
10106	0
10109	0
10110	0
10111	0
10112	0
n	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) 1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)			Stage : Recovery day 14			Species : Rat					
	Sex : Male	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10406		1	1	2	1	1	1	0	1	1	1	1
10407		1	1	2	1	1	1	0	1	1	1	1
10408		1	1	2	1	1	1	0	1	1	1	1
10410		1	1	2	1	1	1	0	1	1	1	1
10411		1	1	2	1	1	1	0	1	1	1	1
n		5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
10406	0
10407	0
10408	0
10410	0
10411	0
n	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female (satellite)		Stage : Recovery day 7 Dose : Isooctane 0 mg/kg						Species : Rat		
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
50556	0
50557	0
50558	0
50559	0
50560	0
n	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) 1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female (satellite)		Stage : Recovery day 7 Dose : Isooctane 300 mg/kg						Species : Rat		
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
50656	0
50657	0
50658	0
50659	0
50660	0
n	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) 1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Sex : Female (satellite)		Stage : Recovery day 14 Dose : Isooctane 0 mg/kg						Species : Rat		
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
50556	0
50557	0
50558	0
50559	0
50560	0
n	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) 1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Female (satellite)	Detailed clinical observation (on the hand)										Species : Rat
	Stage : Recovery day 14 Dose : Isooctane 300 mg/kg										
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
50656	0
50657	0
50658	0
50659	0
50660	0
n	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) 1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Pre Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10101	1	1	1	1	0	0	0	0	1	1	1
10102	1	1	1	1	0	0	0	0	1	1	1
10103	1	1	1	1	0	0	0	0	1	1	1
10104	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	1	1	0	0	1	1	1
10106	1	1	1	1	0	0	0	0	1	1	1
10107	1	1	1	1	0	0	0	0	1	1	1
10108	1	1	1	1	0	1	0	0	1	1	1
10109	1	1	1	1	1	1	0	0	1	1	1
10110	1	1	1	1	0	1	0	0	1	1	1
10111	1	1	1	1	1	1	0	0	1	1	1
10112	1	1	1	1	1	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Pre Dose : Isooctane 30 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10201	1	1	1	1	1	1	0	0	1	1	1
10202	1	1	1	1	0	0	0	0	1	1	1
10203	1	1	1	1	1	0	0	0	1	1	1
10204	1	1	1	1	1	0	0	0	1	1	1
10205	1	1	1	1	1	0	0	0	1	1	1
10206	1	1	1	1	0	1	0	0	1	1	1
10207	1	1	1	1	0	0	0	0	1	1	1
10208	1	1	1	1	1	1	0	0	1	1	1
10209	1	1	1	1	0	0	0	0	1	1	1
10210	1	1	1	1	1	1	0	0	1	1	1
10211	1	1	1	1	0	0	0	0	1	1	1
10212	1	1	1	1	1	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Pre Dose : Isooctane 100 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10301	1	1	1	1	0	1	0	0	1	1	1
10302	1	1	1	1	0	1	0	0	1	1	1
10303	1	1	1	1	0	1	0	0	1	1	1
10304	1	1	1	1	0	1	0	0	1	1	1
10305	1	1	1	1	0	0	0	0	1	1	1
10306	1	1	1	1	1	1	0	0	1	1	1
10307	1	1	1	1	0	0	0	0	1	1	1
10308	1	1	1	1	1	0	0	0	1	1	1
10309	1	1	1	1	0	0	0	0	1	1	1
10310	1	1	1	1	0	0	0	0	1	1	1
10311	1	1	1	1	0	1	0	0	1	1	1
10312	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Pre			Dose : Isooctane 300 mg/kg							
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10401	1	1	1	1	1	0	0	0	1	1	1
10402	1	1	1	1	0	0	0	0	1	1	1
10403	1	1	1	1	1	1	0	0	1	1	1
10404	1	1	1	1	1	1	0	0	1	1	1
10405	1	1	1	1	0	0	0	0	1	1	1
10406	1	1	1	1	0	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10408	1	1	1	1	0	0	0	0	1	1	1
10409	1	1	1	1	0	1	0	0	1	1	1
10410	1	1	1	1	0	0	0	0	1	1	1
10411	1	1	1	1	1	1	0	0	1	1	1
10412	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 7 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10101	1	1	1	1	0	0	0	0	1	1	1
10102	1	1	1	1	0	0	0	0	1	1	1
10103	1	1	1	1	0	0	0	0	1	1	1
10104	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	0	0	0	0	1	1	1
10106	1	1	1	1	0	0	0	0	1	1	1
10107	1	1	1	1	0	0	0	0	1	1	1
10108	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	0	0	0	0	1	1	1
10110	1	1	1	1	0	0	0	0	1	1	1
10111	1	1	1	1	0	0	0	0	1	1	1
10112	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 7 Dose : Isooctane 30 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10201	1	1	1	1	0	1	0	0	1	1	1
10202	1	1	1	1	0	0	0	0	1	1	1
10203	1	1	1	1	0	0	0	0	1	1	1
10204	1	1	1	1	1	1	0	0	1	1	1
10205	1	1	1	1	1	0	0	0	1	1	1
10206	1	1	1	1	0	0	0	0	1	1	1
10207	1	1	1	1	0	0	0	0	1	1	1
10208	1	1	1	1	0	0	0	0	1	1	1
10209	1	1	1	1	0	0	0	0	1	1	1
10210	1	1	1	1	0	0	0	0	1	1	1
10211	1	1	1	1	0	0	0	0	1	1	1
10212	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 7 Dose : Isooctane 100 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10301	1	1	1	1	0	0	0	0	1	1	1
10302	1	1	1	1	1	0	0	0	1	1	1
10303	1	1	1	1	0	0	0	0	1	1	1
10304	1	1	1	1	0	0	0	0	1	1	1
10305	1	1	1	1	0	0	0	0	1	1	1
10306	1	1	1	1	0	0	0	0	1	1	1
10307	1	1	1	1	0	0	0	0	1	1	1
10308	1	1	1	1	0	0	0	0	1	1	1
10309	1	1	1	1	0	0	0	0	1	1	1
10310	1	1	1	1	1	0	0	0	1	1	1
10311	1	1	1	1	0	0	0	0	1	1	1
10312	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 7 Dose : Isooctane 300 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10401	1	1	1	1	0	1	0	0	1	1	1
10402	1	1	1	1	1	0	0	0	1	1	1
10403	1	1	1	1	1	1	0	0	1	1	1
10404	1	1	1	1	1	0	0	0	1	1	1
10405	1	1	1	1	0	0	0	0	1	1	1
10406	1	1	1	1	0	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10408	1	1	1	1	1	0	0	0	1	1	1
10409	1	1	1	1	0	0	0	0	1	1	1
10410	1	1	1	1	0	0	0	0	1	1	1
10411	1	1	1	1	1	0	0	0	1	1	1
10412	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 14 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10101	1	1	1	1	0	0	0	0	1	1	1
10102	1	1	1	1	0	0	0	0	1	1	1
10103	1	1	1	1	0	0	0	0	1	1	1
10104	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	0	0	0	0	1	1	1
10106	1	1	1	1	0	0	0	0	1	1	1
10107	1	1	1	1	0	0	0	0	1	1	1
10108	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	0	1	0	0	1	1	1
10110	1	1	1	1	0	0	0	0	1	1	1
10111	1	1	1	1	1	1	0	0	1	1	1
10112	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 14 Dose : Isooctane 30 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10201	1	1	1	1	0	1	0	0	1	1	1
10202	1	1	1	1	0	0	0	0	1	1	1
10203	1	1	1	1	0	0	0	0	1	1	1
10204	1	1	1	1	1	1	0	0	1	1	1
10205	1	1	1	1	1	0	0	0	1	1	1
10206	1	1	1	1	0	0	0	0	1	1	1
10207	1	1	1	1	0	0	0	0	1	1	1
10208	1	1	1	1	0	0	0	0	1	1	1
10209	1	1	1	1	0	0	0	0	1	1	1
10210	1	1	1	1	0	0	0	0	1	1	1
10211	1	1	1	1	0	0	0	0	1	1	1
10212	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 14 Dose : Isooctane 100 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10301	1	1	1	1	0	0	0	0	1	1	1
10302	1	1	1	1	0	0	0	0	1	1	1
10303	1	1	1	1	0	0	0	0	1	1	1
10304	1	1	1	1	0	0	0	0	1	1	1
10305	1	1	1	1	0	0	0	0	1	1	1
10306	1	1	1	1	1	0	0	0	1	1	1
10307	1	1	1	1	0	0	0	0	1	1	1
10308	1	1	1	1	0	0	0	0	1	1	1
10309	1	1	1	1	0	0	0	0	1	1	1
10310	1	1	1	1	1	0	0	0	1	1	1
10311	1	1	1	1	0	0	0	0	1	1	1
10312	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 14 Dose : Isooctane 300 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10401	1	1	1	1	0	0	0	0	1	1	1
10402	1	1	1	1	0	0	0	0	1	1	1
10403	1	1	1	1	0	0	0	0	1	1	1
10404	1	1	1	1	0	0	0	0	1	1	1
10405	1	1	1	1	0	0	0	0	1	1	1
10406	1	1	1	1	0	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10408	1	1	1	1	0	0	0	0	1	1	1
10409	1	1	1	1	0	0	0	0	1	1	1
10410	1	1	1	1	1	0	0	0	1	1	1
10411	1	1	1	1	0	0	0	0	1	1	1
10412	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 21 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10101	1	1	1	1	0	0	0	0	1	1	1
10102	1	1	1	1	0	0	0	0	1	1	1
10103	1	1	1	1	0	0	0	0	1	1	1
10104	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	0	0	0	0	1	1	1
10106	1	1	1	1	0	0	0	0	1	1	1
10107	1	1	1	1	0	0	0	0	1	1	1
10108	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	1	1	0	0	1	1	1
10110	1	1	1	1	0	0	0	0	1	1	1
10111	1	1	1	1	1	1	0	0	1	1	1
10112	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 21 Dose : Isooctane 30 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10201	1	1	1	1	1	0	0	0	1	1	1
10202	1	1	1	1	0	0	0	0	1	1	1
10203	1	1	1	1	0	1	0	0	1	1	1
10204	1	1	1	1	1	1	0	0	1	1	1
10205	1	1	1	1	1	0	0	0	1	1	1
10206	1	1	1	1	0	1	0	0	1	1	1
10207	1	1	1	1	0	0	0	0	1	1	1
10208	1	1	1	1	0	0	0	0	1	1	1
10209	1	1	1	1	0	0	0	0	1	1	1
10210	1	1	1	1	0	0	0	0	1	1	1
10211	1	1	1	1	0	0	0	0	1	1	1
10212	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)			Stage : Day 21				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
10301	1	1	1	1	0	0	0	0	1	1	1
10302	1	1	1	1	0	0	0	0	1	1	1
10303	1	1	1	1	0	1	0	0	1	1	1
10304	1	1	1	1	1	1	0	0	1	1	1
10305	1	1	1	1	0	0	0	0	1	1	1
10306	1	1	1	1	0	0	0	0	1	1	1
10307	1	1	1	1	0	0	0	0	1	1	1
10308	1	1	1	1	0	0	0	0	1	1	1
10309	1	1	1	1	0	0	0	0	1	1	1
10310	1	1	1	1	1	1	0	0	1	1	1
10311	1	1	1	1	0	0	0	0	1	1	1
10312	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)			Stage : Day 21				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
10401	1	1	1	1	0	0	0	0	1	1	1
10402	1	1	1	1	0	0	0	0	1	1	1
10403	1	1	1	1	0	0	0	0	1	1	1
10404	1	1	1	1	0	0	0	0	1	1	1
10405	1	1	1	1	0	0	0	0	1	1	1
10406	1	1	1	1	0	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10408	1	1	1	1	0	0	0	0	1	1	1
10409	1	1	1	1	0	0	0	0	1	1	1
10410	1	1	1	1	0	0	0	0	1	1	1
10411	1	1	1	1	0	0	0	0	1	1	1
10412	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 28 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10101	1	1	1	1	0	0	0	0	1	1	1
10102	1	1	1	1	0	0	0	0	1	1	1
10103	1	1	1	1	0	0	0	0	1	1	1
10104	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	0	0	0	0	1	1	1
10106	1	1	1	1	0	0	0	0	1	1	1
10107	1	1	1	1	0	0	0	0	1	1	1
10108	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	0	0	0	0	1	1	1
10110	1	1	1	1	0	0	0	0	1	1	1
10111	1	1	1	1	1	1	0	0	1	1	1
10112	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 28 Dose : Isooctane 30 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10201	1	1	1	1	0	0	0	0	1	1	1
10202	1	1	1	1	0	0	0	0	1	1	1
10203	1	1	1	1	0	0	0	0	1	1	1
10204	1	1	1	1	0	0	0	0	1	1	1
10205	1	1	1	1	0	0	0	0	1	1	1
10206	1	1	1	1	0	1	0	0	1	1	1
10207	1	1	1	1	0	0	0	0	1	1	1
10208	1	1	1	1	0	0	0	0	1	1	1
10209	1	1	1	1	0	0	0	0	1	1	1
10210	1	1	1	1	0	0	0	0	1	1	1
10211	1	1	1	1	0	0	0	0	1	1	1
10212	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)			Stage : Day 28				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
10301	1	1	1	1	0	0	0	0	1	1	1
10302	1	1	1	1	0	0	0	0	1	1	1
10303	1	1	1	1	0	0	0	0	1	1	1
10304	1	1	1	1	0	1	0	0	1	1	1
10305	1	1	1	1	0	0	0	0	1	1	1
10306	1	1	1	1	1	0	0	0	1	1	1
10307	1	1	1	1	0	0	0	0	1	1	1
10308	1	1	1	1	0	0	0	0	1	1	1
10309	1	1	1	1	0	0	0	0	1	1	1
10310	1	1	1	1	1	0	0	0	1	1	1
10311	1	1	1	1	0	0	0	0	1	1	1
10312	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)			Stage : Day 28				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
10401	1	1	1	1	0	0	0	0	1	1	1
10402	1	1	1	1	0	0	0	0	1	1	1
10403	1	1	1	1	0	0	0	0	1	1	1
10404	1	1	1	1	0	0	0	0	1	1	1
10405	1	1	1	1	0	0	0	0	1	1	1
10406	1	1	1	1	0	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10408	1	1	1	1	1	0	0	0	1	1	1
10409	1	1	1	1	0	0	0	0	1	1	1
10410	1	1	1	1	0	0	0	0	1	1	1
10411	1	1	1	1	0	0	0	0	1	1	1
10412	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Pre Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	1	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50159	1	1	1	1	0	0	0	0	1	1	1
50160	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)								Species : Rat		
	Stage : Pre Dose : Isooctane 30 mg/kg								Vocalization	Aggression	
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward		
50251	1	1	1	1	0	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	0	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	0	0	0	0	1	1	1
50257	1	1	1	1	1	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	0	0	0	0	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1
50262	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Pre Dose : Isooctane 100 mg/kg				Species : Rat				
	Sex : Female	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351		1	1	1	1	0	0	0	0	1	1	1
50352		1	1	1	1	0	0	0	0	1	1	1
50353		1	1	1	1	0	0	0	0	1	1	1
50354		1	1	1	1	0	0	0	0	1	1	1
50355		1	1	1	1	1	1	0	0	1	1	1
50356		1	1	1	1	0	0	0	0	1	1	1
50357		1	1	1	1	0	0	0	0	1	1	1
50358		1	1	1	1	0	0	0	0	1	1	1
50359		1	1	1	1	0	0	0	0	1	1	1
50360		1	1	1	1	0	0	0	0	1	1	1
50361		1	1	1	1	0	0	0	0	1	1	1
50362		1	1	1	1	0	0	0	0	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Pre Dose : Isooctane 300 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451	1	1	1	1	0	0	0	0	1	1	1
50452	1	1	1	1	0	0	0	0	1	1	1
50453	1	1	1	1	1	0	0	0	1	1	1
50454	1	1	1	1	0	0	0	0	1	1	1
50455	1	1	1	1	0	0	0	0	1	1	1
50456	1	1	1	1	0	0	0	0	1	1	1
50457	1	1	1	1	0	0	0	0	1	1	1
50458	1	1	1	1	0	0	0	0	1	1	1
50459	1	1	1	1	1	0	0	0	1	1	1
50460	1	1	1	1	0	0	0	0	1	1	1
50461	1	1	1	1	0	0	0	0	1	1	1
50462	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 7 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	0	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50159	1	1	1	1	0	0	0	0	1	1	1
50160	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 7				Species : Rat				
	Sex : Female	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50251		1	1	1	1	0	0	0	0	1	1	1
50252		1	1	1	1	0	0	0	0	1	1	1
50253		1	1	1	1	0	0	0	0	1	1	1
50254		1	1	1	1	0	0	0	0	1	1	1
50255		1	1	1	1	1	0	0	0	1	1	1
50256		1	1	1	1	0	0	0	0	1	1	1
50257		1	1	1	1	0	0	0	0	1	1	1
50258		1	1	1	1	0	0	0	0	1	1	1
50259		1	1	1	1	0	0	0	0	1	1	1
50260		1	1	1	1	0	0	0	0	1	1	1
50261		1	1	1	1	0	0	0	0	1	1	1
50262		1	1	1	1	0	0	0	0	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)			Stage : Day 7				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
50351	1	1	1	1	0	0	0	0	1	1	1
50352	1	1	1	1	0	0	0	0	1	1	1
50353	1	1	1	1	0	0	0	0	1	1	1
50354	1	1	1	1	0	0	0	0	1	1	1
50355	1	1	1	1	0	0	0	0	1	1	1
50356	1	1	1	1	0	0	0	0	1	1	1
50357	1	1	1	1	1	0	0	0	1	1	1
50358	1	1	1	1	0	0	0	0	1	1	1
50359	1	1	1	1	0	0	0	0	1	1	1
50360	1	1	1	1	0	0	0	0	1	1	1
50361	1	1	1	1	1	0	0	0	1	1	1
50362	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)			Stage : Day 7				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
50451	1	1	1	1	0	0	0	0	1	1	1
50452	1	1	1	1	0	0	0	0	1	1	1
50453	1	1	1	1	0	0	0	0	1	1	1
50454	1	1	1	1	0	0	0	0	1	1	1
50455	1	1	1	1	0	0	0	0	1	1	1
50456	1	1	1	1	0	0	0	0	1	1	1
50457	1	1	1	1	0	0	0	0	1	1	1
50458	1	1	1	1	1	0	0	0	1	1	1
50459	1	1	1	1	0	0	0	0	1	1	1
50460	1	1	1	1	0	0	0	0	1	1	1
50461	1	1	1	1	0	0	0	0	1	1	1
50462	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 14 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151	1	1	1	1	1	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	0	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50159	1	1	1	1	0	0	0	0	1	1	1
50160	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 14 Dose : Isooctane 30 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50251	1	1	1	1	0	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	0	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	0	0	0	0	1	1	1
50257	1	1	1	1	0	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	0	0	0	0	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1
50262	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 14				Species : Rat				
	Sex : Female	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351		1	1	1	1	0	0	0	0	1	1	1
50352		1	1	1	1	0	0	0	0	1	1	1
50353		1	1	1	1	0	0	0	0	1	1	1
50354		1	1	1	1	0	0	0	0	1	1	1
50355		1	1	1	1	0	0	0	0	1	1	1
50356		1	1	1	1	0	0	0	0	1	1	1
50357		1	1	1	1	1	0	0	0	1	1	1
50358		1	1	1	1	0	0	0	0	1	1	1
50359		1	1	1	1	0	0	0	0	1	1	1
50360		1	1	1	1	0	0	0	0	1	1	1
50361		1	1	1	1	0	0	0	0	1	1	1
50362		1	1	1	1	0	0	0	0	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)			Stage : Day 14				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
50451	1	1	1	1	0	0	0	0	1	1	1
50452	1	1	1	1	0	0	0	0	1	1	1
50453	1	1	1	1	0	0	0	0	1	1	1
50454	1	1	1	1	0	0	0	0	1	1	1
50455	1	1	1	1	0	0	0	0	1	1	1
50456	1	1	1	1	0	0	0	0	1	1	1
50457	1	1	1	1	0	0	0	0	1	1	1
50458	1	1	1	1	0	0	0	0	1	1	1
50459	1	1	1	1	0	0	0	0	1	1	1
50460	1	1	1	1	0	0	0	0	1	1	1
50461	1	1	1	1	0	0	0	0	1	1	1
50462	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 21 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	0	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50159	1	1	1	1	0	0	0	0	1	1	1
50160	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)			Stage : Day 21				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
50251	1	1	1	1	0	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	0	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	0	0	0	0	1	1	1
50257	1	1	1	1	0	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	0	0	0	0	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1
50262	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)			Stage : Day 21				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
50351	1	1	1	1	0	0	0	0	1	1	1
50352	1	1	1	1	0	0	0	0	1	1	1
50353	1	1	1	1	0	0	0	0	1	1	1
50354	1	1	1	1	0	0	0	0	1	1	1
50355	1	1	1	1	0	0	0	0	1	1	1
50356	1	1	1	1	0	0	0	0	1	1	1
50357	1	1	1	1	0	0	0	0	1	1	1
50358	1	1	1	1	0	0	0	0	1	1	1
50359	1	1	1	1	0	0	0	0	1	1	1
50360	1	1	1	1	0	0	0	0	1	1	1
50361	1	1	1	1	0	0	0	0	1	1	1
50362	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 21				Species : Rat				
	Sex : Female	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451		1	1	1	1	0	0	0	0	1	1	1
50452		1	1	1	1	0	0	0	0	1	1	1
50453		1	1	1	1	0	0	0	0	1	1	1
50454		1	1	1	1	0	0	0	0	1	1	1
50455		1	1	1	1	0	0	0	0	1	1	1
50456		1	1	1	1	0	0	0	0	1	1	1
50457		1	1	1	1	0	0	0	0	1	1	1
50458		1	1	1	1	0	0	0	0	1	1	1
50459		1	1	1	1	0	0	0	0	1	1	1
50460		1	1	1	1	0	0	0	0	1	1	1
50461		1	1	1	1	0	0	0	0	1	1	1
50462		1	1	1	1	0	0	0	0	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 28 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	0	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	1	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50159	1	1	1	1	0	0	0	0	1	1	1
50160	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)			Stage : Day 28			Species : Rat				
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
50251	1	1	1	1	0	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	0	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	0	0	0	0	1	1	1
50257	1	1	1	1	0	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	0	0	0	0	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1
50262	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 28				Species : Rat				
	Sex : Female	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351		1	1	1	1	0	0	0	0	1	1	1
50352		1	1	1	1	0	0	0	0	1	1	1
50353		1	1	1	1	0	0	0	0	1	1	1
50354		1	1	1	1	0	0	0	0	1	1	1
50355		1	1	1	1	0	0	0	0	1	1	1
50356		1	1	1	1	0	0	0	0	1	1	1
50357		1	1	1	1	1	0	0	0	1	1	1
50358		1	1	1	1	0	0	0	0	1	1	1
50359		1	1	1	1	0	0	0	0	1	1	1
50360		1	1	1	1	0	0	0	0	1	1	1
50361		1	1	1	1	0	0	0	0	1	1	1
50362		1	1	1	1	0	0	0	0	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 28				Species : Rat				
	Sex : Female	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451		1	1	1	1	0	0	0	0	1	1	1
50452		1	1	1	1	0	0	0	0	1	1	1
50453		1	1	1	1	0	0	0	0	1	1	1
50454		1	1	1	1	0	0	0	0	1	1	1
50455		1	1	1	1	0	0	0	0	1	1	1
50456		1	1	1	1	0	0	0	0	1	1	1
50457		1	1	1	1	0	0	0	0	1	1	1
50458		1	1	1	1	0	0	0	0	1	1	1
50459		1	1	1	1	0	0	0	0	1	1	1
50460		1	1	1	1	0	0	0	0	1	1	1
50461		1	1	1	1	0	0	0	0	1	1	1
50462		1	1	1	1	0	0	0	0	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)			Stage : Day 35			Species : Rat				
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	0	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50159	1	1	1	1	0	0	0	0	1	1	1
50160	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Day 35 Dose : Isooctane 30 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50251	1	1	1	1	1	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	0	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	0	0	0	0	1	1	1
50257	1	1	1	1	0	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	0	0	0	0	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1
50262	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 35				Species : Rat				
	Sex : Female	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351		1	1	1	1	0	0	0	0	1	1	1
50352		1	1	1	1	0	0	0	0	1	1	1
50353		1	1	1	1	0	0	0	0	1	1	1
50354		1	1	1	1	0	0	0	0	1	1	1
50355		1	1	1	1	0	0	0	0	1	1	1
50356		1	1	1	1	0	0	0	0	1	1	1
50357		1	1	1	1	0	0	0	0	1	1	1
50358		1	1	1	1	0	0	0	0	1	1	1
50359		1	1	1	1	0	0	0	0	1	1	1
50360		1	1	1	1	0	0	0	0	1	1	1
50361		1	1	1	1	0	0	0	0	1	1	1
50362		1	1	1	1	0	0	0	0	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 35			Species : Rat					
	Sex : Female	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451		1	1	1	1	0	0	0	0	1	1	1
50452		1	1	1	1	0	0	0	0	1	1	1
50453		1	1	1	1	0	0	0	0	1	1	1
50454		1	1	1	1	0	0	0	0	1	1	1
50455		1	1	1	1	0	0	0	0	1	1	1
50456		1	1	1	1	0	0	0	0	1	1	1
50457		1	1	1	1	0	0	0	0	1	1	1
50458		1	1	1	1	0	0	0	0	1	1	1
50459		1	1	1	1	0	0	0	0	1	1	1
50460		1	1	1	1	0	0	0	0	1	1	1
50461		1	1	1	1	0	0	0	0	1	1	1
50462		1	1	1	1	0	0	0	0	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)			Stage : Day 42				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	0	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	1	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50160	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	11	11	11	11	11	11	11	11	11	11	11

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)										Species : Rat	
	Stage : Day 42 Dose : Isooctane 30 mg/kg										Vocalization	Aggression
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward			
50251	1	1	1	1	1	0	0	0	1	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1	1
50256	1	1	1	1	0	0	0	0	1	1	1	1
50257	1	1	1	1	0	0	0	0	1	1	1	1
50258	1	1	1	1	1	0	0	0	1	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1	1
50262	1	1	1	1	0	0	0	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 42			Species : Rat					
Sex : Female			Dose : Isooctane 100 mg/kg								
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351	1	1	1	1	0	0	0	0	1	1	1
50352	1	1	1	1	0	0	0	0	1	1	1
50353	1	1	1	1	0	0	0	0	1	1	1
50354	1	1	1	1	0	0	0	0	1	1	1
50355	1	1	1	1	0	0	0	0	1	1	1
50356	1	1	1	1	0	0	0	0	1	1	1
50357	1	1	1	1	1	0	0	0	1	1	1
50358	1	1	1	1	0	0	0	0	1	1	1
50360	1	1	1	1	0	0	0	0	1	1	1
50361	1	1	1	1	0	0	0	0	1	1	1
50362	1	1	1	1	0	0	0	0	1	1	1
n	11	11	11	11	11	11	11	11	11	11	11

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)			Stage : Day 42				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
50451	1	1	1	1	0	0	0	0	1	1	1
50452	1	1	1	1	0	0	0	0	1	1	1
50453	1	1	1	1	0	0	0	0	1	1	1
50454	1	1	1	1	0	0	0	0	1	1	1
50455	1	1	1	1	0	0	0	0	1	1	1
50456	1	1	1	1	0	0	0	0	1	1	1
50457	1	1	1	1	0	0	0	0	1	1	1
50458	1	1	1	1	0	0	0	0	1	1	1
50459	1	1	1	1	0	0	0	0	1	1	1
50460	1	1	1	1	0	0	0	0	1	1	1
50461	1	1	1	1	0	0	0	0	1	1	1
50462	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 49			Species : Rat					
	Sex : Female	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151		1	1	1	1	0	0	0	0	1	1	1
50152		1	1	1	1	0	0	0	0	1	1	1
50153		1	1	1	1	0	0	0	0	1	1	1
50154		1	1	1	1	0	0	0	0	1	1	1
50155		1	1	1	1	1	0	0	0	1	1	1
50156		1	1	1	1	0	0	0	0	1	1	1
50157		1	1	1	1	0	0	0	0	1	1	1
50158		1	1	1	1	0	0	0	0	1	1	1
50160		1	1	1	1	1	0	0	0	1	1	1
50161		1	1	1	1	0	0	0	0	1	1	1
50162		1	1	1	1	0	0	0	0	1	1	1
n		11	11	11	11	11	11	11	11	11	11	11

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 49			Species : Rat					
	Sex : Female	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50251		1	1	1	1	1	0	0	0	1	1	1
50252		1	1	1	1	0	0	0	0	1	1	1
50254		1	1	1	1	0	0	0	0	1	1	1
50255		1	1	1	1	0	0	0	0	1	1	1
50256		1	1	1	1	0	0	0	0	1	1	1
50257		1	1	1	1	0	0	0	0	1	1	1
50258		1	1	1	1	0	0	0	0	1	1	1
50259		1	1	1	1	0	0	0	0	1	1	1
50261		1	1	1	1	0	0	0	0	1	1	1
50262		1	1	1	1	0	0	1	0	1	1	1
n		10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female	Detailed clinical observation (in the open field)			Stage : Day 49				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
Animal No.											
50351	1	1	1	1	0	0	0	0	1	1	1
50352	1	1	1	1	0	0	0	0	1	1	1
50353	1	1	1	1	0	0	0	0	1	1	1
50354	1	1	1	1	0	0	0	0	1	1	1
50355	1	1	1	1	0	0	0	0	1	1	1
50356	1	1	1	1	0	0	0	0	1	1	1
50357	1	1	1	1	0	0	0	0	1	1	1
50358	1	1	1	1	0	0	0	0	1	1	1
50360	1	1	1	1	0	0	0	0	1	1	1
50361	1	1	1	1	0	0	0	0	1	1	1
50362	1	1	1	1	0	0	0	0	1	1	1
n	11	11	11	11	11	11	11	11	11	11	11

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 49				Species : Rat				
	Sex : Female	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451		1	1	1	1	0	0	0	0	1	1	1
50452		1	1	1	1	0	0	0	0	1	1	1
50453		1	1	1	1	0	0	0	0	1	1	1
50454		1	1	1	1	0	0	0	0	1	1	1
50455		1	1	1	1	0	0	0	0	1	1	1
50456		1	1	1	1	0	0	0	0	1	1	1
50457		1	1	1	1	1	0	0	0	1	1	1
50458		1	1	1	1	0	0	0	0	1	1	1
50459		1	1	1	1	0	0	0	0	1	1	1
50460		1	1	1	1	0	0	0	0	1	1	1
50461		1	1	1	1	0	0	0	0	1	1	1
50462		1	1	1	1	0	0	0	0	1	1	1
n		12	12	12	12	12	12	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Pre Dose : Isooctane 0 mg/kg					Species : Rat		
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50551	1	1	1	1	0	0	0	0	1	1	1
50552	1	1	1	1	0	0	0	0	1	1	1
50553	1	1	1	1	0	0	0	0	1	1	1
50554	1	1	1	1	0	0	0	0	1	1	1
50555	1	1	1	1	0	0	0	0	1	1	1
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	0	0	0	0	1	1	1
50559	1	1	1	1	0	0	0	0	1	1	1
50560	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Pre Dose : Isooctane 300 mg/kg				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50651	1	1	1	1	0	0	0	0	1	1	1
50652	1	1	1	1	0	0	0	0	1	1	1
50653	1	1	1	1	0	0	0	0	1	1	1
50654	1	1	1	1	0	0	0	0	1	1	1
50655	1	1	1	1	0	0	0	0	1	1	1
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 7					Species : Rat			
	Sex : Female (satellite)	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50551		1	1	1	1	0	0	0	0	1	1	1
50552		1	1	1	1	0	0	0	0	1	1	1
50553		1	1	1	1	0	0	0	0	1	1	1
50554		1	1	1	1	0	0	0	0	1	1	1
50555		1	1	1	1	0	0	0	0	1	1	1
50556		1	1	1	1	0	0	0	0	1	1	1
50557		1	1	1	1	0	0	0	0	1	1	1
50558		1	1	1	1	0	0	0	0	1	1	1
50559		1	1	1	1	0	0	0	0	1	1	1
50560		1	1	1	1	0	0	0	0	1	1	1
n		10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 7					Species : Rat		
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50651	1	1	1	1	0	0	0	0	1	1	1
50652	1	1	1	1	0	0	0	0	1	1	1
50653	1	1	1	1	0	0	0	0	1	1	1
50654	1	1	1	1	0	0	0	0	1	1	1
50655	1	1	1	1	0	0	0	0	1	1	1
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 14 Dose : Isooctane 0 mg/kg					Species : Rat		
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50551	1	1	1	1	0	0	0	0	1	1	1
50552	1	1	1	1	0	0	0	0	1	1	1
50553	1	1	1	1	0	0	0	0	1	1	1
50554	1	1	1	1	0	0	0	0	1	1	1
50555	1	1	1	1	0	0	0	0	1	1	1
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	0	0	0	0	1	1	1
50559	1	1	1	1	0	0	0	0	1	1	1
50560	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 14 Dose : Isooctane 300 mg/kg				Species : Rat			
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50651	1	1	1	1	0	0	0	0	1	1	1
50652	1	1	1	1	0	0	0	0	1	1	1
50653	1	1	1	1	0	0	0	0	1	1	1
50654	1	1	1	1	0	0	0	0	1	1	1
50655	1	1	1	1	0	0	0	0	1	1	1
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 21					Species : Rat			
	Sex : Female (satellite)	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50551		1	1	1	1	0	0	0	0	1	1	1
50552		1	1	1	1	0	0	0	0	1	1	1
50553		1	1	1	1	0	0	0	0	1	1	1
50554		1	1	1	1	0	0	0	0	1	1	1
50555		1	1	1	1	0	0	0	0	1	1	1
50556		1	1	1	1	0	0	0	0	1	1	1
50557		1	1	1	1	0	0	0	0	1	1	1
50558		1	1	1	1	0	0	0	0	1	1	1
50559		1	1	1	1	0	0	0	0	1	1	1
50560		1	1	1	1	1	1	0	0	1	1	1
n		10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 21					Species : Rat			
	Sex : Female (satellite)	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50651		1	1	1	1	0	0	0	0	1	1	1
50652		1	1	1	1	0	0	0	0	1	1	1
50653		1	1	1	1	0	0	0	0	1	1	1
50654		1	1	1	1	0	0	0	0	1	1	1
50655		1	1	1	1	0	0	0	0	1	1	1
50656		1	1	1	1	0	0	0	0	1	1	1
50657		1	1	1	1	0	0	0	0	1	1	1
50658		1	1	1	1	0	0	0	0	1	1	1
50659		1	1	1	1	0	0	0	0	1	1	1
50660		1	1	1	1	0	0	0	0	1	1	1
n		10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 28 Dose : Isooctane 0 mg/kg					Species : Rat		
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50551	1	1	1	1	0	0	0	0	1	1	1
50552	1	1	1	1	0	0	0	0	1	1	1
50553	1	1	1	1	0	0	0	0	1	1	1
50554	1	1	1	1	0	0	0	0	1	1	1
50555	1	1	1	1	0	0	0	0	1	1	1
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	0	0	0	0	1	1	1
50559	1	1	1	1	0	0	0	0	1	1	1
50560	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Day 28 Dose : Isooctane 300 mg/kg					Species : Rat		
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50651	1	1	1	1	0	0	0	0	1	1	1
50652	1	1	1	1	0	0	0	0	1	1	1
50653	1	1	1	1	0	0	0	0	1	1	1
50654	1	1	1	1	0	0	0	0	1	1	1
50655	1	1	1	1	0	0	0	0	1	1	1
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Recovery day 7 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
10106	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	0	0	0	0	1	1	1
10110	1	1	1	1	0	0	0	0	1	1	1
10111	1	1	1	1	0	0	0	0	1	1	1
10112	1	1	1	1	0	0	0	0	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)								Species : Rat	
	Stage : Recovery day 7 Dose : Isooctane 300 mg/kg								Vocalization	Aggression
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	
10406	1	1	1	1	0	0	0	0	1	1
10407	1	1	1	1	0	0	0	0	1	1
10408	1	1	1	1	1	1	0	0	1	1
10410	1	1	1	1	0	0	0	0	1	1
10411	1	1	1	1	0	0	0	0	1	1
n	5	5	5	5	5	5	5	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Recovery day 14 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
10106	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	0	0	0	0	1	1	1
10110	1	1	1	1	0	1	0	0	1	1	1
10111	1	1	1	1	0	0	0	0	1	1	1
10112	1	1	1	1	1	0	0	0	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Male	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Recovery day 14 Dose : Isooctane 300 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
10406	1	1	1	1	0	1	0	0	1	1	1
10407	1	1	1	1	1	1	0	0	1	1	1
10408	1	1	1	1	0	0	0	0	1	1	1
10410	1	1	1	1	0	0	0	0	1	1	1
10411	1	1	1	1	0	0	0	0	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female (satellite)	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Recovery day 7 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	0	0	0	0	1	1	1
50559	1	1	1	1	1	0	0	0	1	1	1
50560	1	1	1	1	0	0	0	0	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the open field)			Stage : Recovery day 7 Dose : Isooctane 300 mg/kg					Species : Rat		
	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	0	0	0	0	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female (satellite)	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Recovery day 14 Dose : Isooctane 0 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	0	0	0	0	1	1	1
50559	1	1	1	1	0	0	0	0	1	1	1
50560	1	1	1	1	0	0	0	0	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Sex : Female (satellite)	Detailed clinical observation (in the open field)										Species : Rat
	Stage : Recovery day 14 Dose : Isooctane 300 mg/kg										
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Wa king backward	Vocalization	Aggression
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	0	0	0	0	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Wa king backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Functional observations (on the desk)		Stage : Week 4				Species : Rat
Sex : Male				Dose : Isooctane 0 mg/kg		
Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
10106	4	2	1	2	1	1
10109	4	2	1	2	1	1
10110	4	2	1	2	1	1
10111	4	2	1	2	1	1
10112	4	2	1	2	1	1
n	5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Animal No.	Functional observations (on the desk)			Stage : Week 4		Species : Rat
	Sex : Male	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	
10201		4	2	1	2	1
10204		4	2	1	2	1
10208		4	2	1	2	1
10209		4	2	1	2	1
10211		4	2	1	2	1
n		5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Functional observations (on the desk)		Stage : Week 4				Species : Rat
Sex : Male				Dose : Isooctane 100 mg/kg		
Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
10302	4	2	1	2	1	1
10304	4	2	1	2	1	1
10307	4	2	1	2	1	1
10308	4	2	1	2	1	1
10310	4	2	1	2	1	1
n	5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Functional observations (on the desk)		Stage : Week 4				Species : Rat
Sex : Male				Dose : Isooctane 300 mg/kg		
Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
10406	4	2	1	2	1	1
10407	4	2	1	2	1	1
10408	4	2	1	2	1	1
10410	4	2	1	2	1	1
10411	4	2	1	2	1	1
n	5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Functional observations (on the desk)		Stage : Lactation day 13 Dose : Isooctane 0 mg/kg				Species : Rat	
Sex : Female		Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
Animal No.							
50152		4	2	1	2	1	1
50153		4	2	1	2	1	1
50154		4	2	1	2	1	1
50157		4	2	1	2	1	1
50158		4	2	1	2	1	1
n		5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Functional observations (on the desk)		Stage : Lactation day 13 Dose : Isooctane 30 mg/kg				Species : Rat	
Sex : Female		Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
Animal No.							
50255		4	2	1	2	1	1
50256		4	2	1	2	1	1
50257		4	2	1	2	1	1
50259		4	2	1	2	1	1
50261		4	2	1	2	1	1
n		5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Animal No.	Functional observations (on the desk)			Stage : Lactation day 13		Species : Rat
	Sex : Female	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	
50353		4	2	1	2	1
50354		4	2	1	2	1
50355		4	2	1	2	1
50358		4	2	1	2	1
50360		4	2	1	2	1
n		5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Animal No.	Functional observations (on the desk)			Stage : Lactation day 13 Dose : Isooctane 300 mg/kg		Species : Rat	
	Sex : Female	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
50451		4	2	1	2	1	1
50452		4	2	1	2	1	1
50453		4	2	1	2	1	1
50457		4	2	1	2	1	1
50459		4	2	1	2	1	1
n		5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Functional observations (on the desk)			Stage : Week 4			Species : Rat
Sex : Female (satellite)			Dose : Isooctane 0 mg/kg			
Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
50556	4	2	1	2	1	1
50557	4	2	1	2	1	1
50558	4	2	1	2	1	1
50559	4	2	1	2	1	1
50560	4	2	1	2	1	1
n	5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Functional observations (on the desk)			Stage : Week 4			Species : Rat
Sex : Female (satellite)			Dose : Isooctane 300 mg/kg			
Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
50656	4	2	1	2	1	1
50657	4	2	1	2	1	1
50658	4	2	1	2	1	1
50659	4	2	1	2	1	1
50660	4	2	1	2	1	1
n	5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Animal No.	Grip strength		Stage : Week 4		Dose : Isooctane 0 mg/kg		Species : Rat							
	Sex : Male		Forelimb	1st	Forelimb	2nd	Forelimb	3rd	Forelimb	Hindlimb	1st	2nd	3rd	Hindlimb
10106	g	g	g	g	g	g	g	g	g	g	g	g	g	g
10109	855	801	815	823.7	359	286	339	328.0						
10110	1064	1171	1061	1098.7	358	491	452	433.7						
10111	1282	1128	1296	1235.3	412	416	438	422.0						
10112	1416	1348	1255	1339.7	402	409	431	414.0						
n	5	5	5	5	5	5	5	5						
Mean	1180.8	1136.4	1115.2	1144.14	406.2	424.2	417.0	415.80						
S.D.	221.7	205.0	191.3	198.47	57.9	90.6	44.7	55.59						

Animal No.	Grip strength		Stage : Week 4		Dose : Isooctane 30 mg/kg		Species : Rat			
	Sex : Male		Forelimb	1st	Forelimb	2nd	Forelimb	3rd	Hindlimb	
10201	g	g	g	g	g	g	g	g	g	g
10201	1058	1121	1212	1130.3	408	426	446	426.7		
10204	1301	1157	1159	1205.7	427	498	447	457.3		
10208	944	1143	1067	1051.3	430	416	394	413.3		
10209	1239	1196	1325	1253.3	378	452	466	432.0		
10211	1032	911	932	958.3	465	427	434	442.0		
n	5	5	5	5	5	5	5	5		
Mean	1114.8	1105.6	1139.0	1119.78	421.6	443.8	437.4	434.26		
S.D.	149.5	112.2	148.6	118.41	31.9	33.1	26.8	16.53		

Animal No.	Grip strength		Stage : Week 4				Species : Rat	
	Sex : Male		Dose : Isooctane 100 mg/kg	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb				
10302	1253	1301	1426	1326.7	434	509	419	454.0
10304	1142	1269	1423	1278.0	434	510	430	458.0
10307	1082	1075	1298	1151.7	441	465	473	459.7
10308	1204	1042	941	1062.3	428	434	416	426.0
10310	1269	1013	1290	1190.7	471	430	371	424.0
n	5	5	5	5	5	5	5	5
Mean	1190.0	1140.0	1275.6	1201.88	441.6	469.6	421.8	444.34
S.D.	78.1	134.6	198.1	104.28	17.1	38.9	36.4	17.79

Animal No.	Grip strength		Stage : Week 4				Species : Rat	
	Sex : Male		Dose : Isooctane 300 mg/kg	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb				
10406	827	815	1037	893.0	381	318	340	346.3
10407	782	773	806	787.0	340	335	366	347.0
10408	1379	1368	1218	1321.7	426	460	501	462.3
10410	1057	832	968	952.3	301	389	378	356.0
10411	1046	1008	930	994.7	388	444	422	418.0
n	5	5	5	5	5	5	5	5
Mean	1018.2	959.2	991.8	989.74	367.2	389.2	401.4	385.92
S.D.	237.1	245.5	151.8	201.30	48.0	63.3	63.1	52.06

Animal No.	Grip strength		Stage : Lactation day 13				Species : Rat	
	Sex : Female		Dose : Isooctane 0 mg/kg	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb				
50152	1592	1495	1443	1510.0	531	493	490	504.7
50153	1212	1043	1236	1163.7	421	516	447	461.3
50154	1260	1224	1150	1211.3	387	365	349	367.0
50157	1246	1428	1429	1367.7	424	445	460	443.0
50158	1222	1491	1391	1368.0	450	514	508	490.7
n	5	5	5	5	5	5	5	5
Mean	1306.4	1336.2	1329.8	1324.14	442.6	466.6	450.8	453.34
S.D.	160.8	197.6	129.9	138.60	54.3	63.6	61.8	53.99

Animal No.	Grip strength		Stage : Lactation day 13				Species : Rat	
	Sex : Female		Dose : Isooctane 30 mg/kg	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb				
50255	g	g	g	g	g	g	g	g
50255	1472	1524	1593	1529.7	441	497	521	486.3
50256	1217	1357	1208	1260.7	556	526	473	518.3
50257	1563	1256	1338	1385.7	433	435	493	453.7
50259	1130	1079	1241	1150.0	507	413	440	453.3
50261	1137	1175	1075	1129.0	389	357	331	359.0
n	5	5	5	5	5	5	5	5
Mean	1303.8	1278.2	1291.0	1291.02	465.2	445.6	451.6	454.12
S.D.	200.6	171.4	193.3	168.07	66.0	67.3	73.6	59.59

Animal No.	Grip strength		Stage : Lactation day 13				Species : Rat	
	Sex : Female		Dose : Isooctane 100 mg/kg	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb				
50353	1265	1307	1232	1268.0	427	482	415	441.3
50354	1402	1253	1324	1326.3	404	488	459	450.3
50355	1342	1321	1428	1363.7	472	405	408	428.3
50358	1185	1232	1208	1208.3	478	390	449	439.0
50360	990	1213	1281	1161.3	498	417	474	463.0
n	5	5	5	5	5	5	5	5
Mean	1236.8	1265.2	1294.6	1265.52	455.8	436.4	441.0	444.38
S.D.	160.3	47.0	87.0	82.88	38.9	45.4	28.5	13.03

Animal No.	Grip strength		Stage : Lactation day 13				Species : Rat			
	Sex : Female		Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb
	g	g	g	g	g	g	g	g	g	g
50451		1407	1496	1556	1486.3	434	524	499	485.7	
50452		1190	1134	1261	1195.0	511	427	492	476.7	
50453		1384	1280	1493	1385.7	401	472	461	444.7	
50457		1092	1099	1202	1131.0	413	473	506	464.0	
50459		1293	1389	1207	1296.3	408	455	461	441.3	
n		5	5	5	5	5	5	5	5	
Mean		1273.2	1279.6	1343.8	1298.86	433.4	470.2	483.8	462.48	
S.D.		132.6	167.8	168.1	142.87	45.1	35.4	21.4	19.42	

Animal No.	Grip strength		Stage : Week 4		Dose : Isooctane 0 mg/kg		Species : Rat	
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb
	g	g	g	g	g	g	g	g
50556	1150	1064	1144	1119.3	413	459	375	415.7
50557	999	1080	1126	1068.3	428	391	462	427.0
50558	946	1149	1161	1085.3	445	422	314	393.7
50559	1189	1009	1050	1082.7	431	427	424	427.3
50560	1194	1083	1065	1114.0	422	486	463	457.0
n	5	5	5	5	5	5	5	5
Mean	1095.6	1077.0	1109.2	1093.92	427.8	437.0	407.6	424.14
S.D.	115.2	50.1	49.1	21.82	11.8	36.5	63.5	22.89

Grip strength Sex : Female (satellite)				Stage : Week 4 Dose : Isooctane 300 mg/kg				Species : Rat	
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	g
50656	802	830	922	851.3	393	359	413	388.3	
50657	963	880	844	895.7	331	355	378	354.7	
50658	971	947	972	963.3	468	397	389	418.0	
50659	912	979	882	924.3	325	328	387	346.7	
50660	981	885	987	951.0	387	440	408	411.7	
n	5	5	5	5	5	5	5	5	
Mean	925.8	904.2	921.4	917.12	380.8	375.8	395.0	383.88	
S.D.	74.1	58.9	60.0	45.06	57.8	43.5	14.8	32.37	

Animal No.	Grip strength		Stage : Recovery week 2				Species : Rat	
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	
	g	g	g	g	g	g	g	
50556	1157	1266	1117	1180.0	444	421	426	430.3
50557	1181	1257	1225	1221.0	452	404	430	428.7
50558	1136	1206	1217	1186.3	406	369	326	367.0
50559	1080	1226	987	1097.7	407	433	459	433.0
50560	1208	1264	1352	1274.7	459	434	482	458.3
n	5	5	5	5	5	5	5	5
Mean	1152.4	1243.8	1179.6	1191.94	433.6	412.2	424.6	423.46
S.D.	48.6	26.6	136.2	64.71	25.3	27.0	59.6	33.79

Animal No.	Grip strength		Stage : Recovery week 2				Species : Rat			
	Sex : Female (satellite)		Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb
		g	g	g	g	g	g	g	g	g
50656		1120	1002	1025	1049.0	475	447	408	443.3	
50657		1212	1158	1163	1177.7	436	467	446	449.7	
50658		1409	1215	1137	1253.7	413	414	462	429.7	
50659		1167	1213	1287	1222.3	382	321	374	359.0	
50660		1308	1228	1255	1263.7	367	389	353	369.7	
n		5	5	5	5	5	5	5	5	
Mean		1243.2	1163.2	1173.4	1193.28	414.6	407.6	408.6	410.28	
S.D.		115.8	94.0	103.7	87.34	43.1	56.9	46.2	42.71	

Motor activity measurements		Stage : Week 4						Species : Rat	
Sex : Male		Dose : Isooctane 0 mg/kg							
		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	No.	
10106	528	352	123	4	0	2	1009		
10109	227	33	278	1	0	2	541		
10110	337	174	0	0	50	54	615		
10111	224	174	138	71	0	0	607		
10112	699	626	368	153	71	106	2023		
n	5	5	5	5	5	5	5		
Mean	403.0	271.8	181.4	45.8	24.2	32.8	959.0		
S.D.	206.5	228.1	143.5	67.0	34.0	46.9	622.8		

Motor activity measurements		Stage : Week 4						Species : Rat	
Sex : Male		Dose : Isooctane 30 mg/kg							
		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	No.	
10201	124	122	43	34	26	2	351		
10204	375	268	241	260	113	0	1257		
10208	308	233	147	141	158	36	1023		
10209	272	252	206	134	181	32	1077		
10211	285	92	25	0	1	0	403		
n	5	5	5	5	5	5	5		
Mean	272.8	193.4	132.4	113.8	95.8	14.0	822.2		
S.D.	92.2	80.5	96.1	102.3	79.5	18.3	415.9		

Motor activity measurements		Stage : Week 4						Species : Rat
Sex : Male		Dose : Isooctane 100 mg/kg						
		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'
Animal No.	No.	No.	No.	No.	No.	No.	No.	Species : Rat
10302	414	195	38	71	26	2	746	
10304	328	281	76	32	23	0	740	
10307	229	104	78	30	20	0	461	
10308	575	215	143	123	210	59	1325	
10310	405	188	40	108	7	0	748	
n	5	5	5	5	5	5	5	
Mean	390.2	196.6	75.0	72.8	57.2	12.2	804.0	
S.D.	127.3	63.5	42.5	42.6	85.7	26.2	316.1	

Motor activity measurements		Stage : Week 4						Species : Rat
Sex : Male		Dose : Isooctane 300 mg/kg						
		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'
Animal No.	No.	No.	No.	No.	No.	No.	No.	Species : Rat
10406	476	314	243	97	0	0	1130	
10407	418	518	257	103	26	92	1414	
10408	565	249	105	213	53	30	1215	
10410	249	146	124	60	36	44	659	
10411	269	136	49	111	0	44	609	
n	5	5	5	5	5	5	5	
Mean	395.4	272.6	155.6	116.8	23.0	42.0	1005.4	
S.D.	135.3	155.9	90.6	57.2	23.1	33.2	354.8	

Motor activity measurements		Stage : Lactation day 13						Species : Rat
Sex : Female		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	No.
50152	576	162	3	93	112	173	1119	
50153	1190	360	43	0	0	0	1593	
50154	432	302	57	137	165	14	1107	
50157	291	0	0	181	97	7	576	
50158	488	81	0	0	0	0	569	
n	5	5	5	5	5	5	5	
Mean	595.4	181.0	20.6	82.2	74.8	38.8	992.8	
S.D.	348.1	149.8	27.3	81.2	72.8	75.2	430.9	

Motor activity measurements		Stage : Lactation day 13						Species : Rat
Sex : Female		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	No.
50255	412	83	7	71	0	164	737	
50256	587	156	17	177	119	290	1346	
50257	363	85	21	45	43	0	557	
50259	163	36	9	31	44	0	283	
50261	196	47	48	2	50	0	343	
n	5	5	5	5	5	5	5	
Mean	344.2	81.4	20.4	65.2	51.2	90.8	653.2	
S.D.	172.3	47.0	16.5	67.3	42.8	132.1	427.1	

Motor activity measurements		Stage : Lactation day 13						Species : Rat
Sex : Female		Dose : Isooctane 100 mg/kg						
		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'
Animal No.	No.	No.	No.	No.	No.	No.	No.	
50353	369	180	31	92	43	1	716	
50354	470	142	130	223	103	121	1189	
50355	453	88	8	0	0	22	571	
50358	311	164	48	5	51	35	614	
50360	436	68	0	259	93	158	1014	
n	5	5	5	5	5	5	5	
Mean	407.8	128.4	43.4	115.8	58.0	67.4	820.8	
S.D.	66.3	48.5	52.0	120.7	41.5	68.2	268.8	

Motor activity measurements		Stage : Lactation day 13						Species : Rat
Sex : Female		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	No.
50451	402	0	0	0	0	0	0	402
50452	518	4	0	2	0	0	0	524
50453	631	373	181	192	313	175	1865	
50457	407	140	54	94	26	5	726	
50459	260	61	17	127	126	0	591	
n	5	5	5	5	5	5	5	
Mean	443.6	115.6	50.4	83.0	93.0	36.0	821.6	
S.D.	139.1	154.6	76.3	82.7	133.5	77.7	594.9	

Motor activity measurements		Stage : Week 4						Species : Rat
Sex : Female (satellite)		Dose : Isooctane 0 mg/kg						
		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'
Animal No.	No.	No.	No.	No.	No.	No.	No.	No.
50556	456	165	257	228	134	0	1240	
50557	588	216	57	0	0	0	861	
50558	1016	959	656	598	553	121	3903	
50559	201	41	20	37	13	1	313	
50560	766	219	174	154	0	0	1313	
n	5	5	5	5	5	5	5	
Mean	605.4	320.0	232.8	203.4	140.0	24.4	1526.0	
S.D.	308.4	364.4	254.6	238.6	237.7	54.0	1386.6	

Motor activity measurements		Stage : Week 4						Species : Rat	
Sex : Female (satellite)		Dose : Isooctane 300 mg/kg							
		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	No.	
50656	631	432	299	352	155	41	1910		
50657	423	197	501	32	130	27	1310		
50658	399	148	0	0	5	71	623		
50659	439	366	112	15	0	119	1051		
50660	318	117	33	9	0	0	477		
n	5	5	5	5	5	5	5		
Mean	442.0	252.0	189.0	81.6	58.0	51.6	1074.2		
S.D.	115.5	139.2	209.4	151.6	77.7	45.5	573.4		

Animal No.	Body weight Sex : Male /Day		Period : Administration Day 1-28 Dose : Isooctane 0 mg/kg				Unit : g	Species : Rat
	1	4	7	14	21	28		
10101	477	493	506	531	563	581	104	
10102	408	416	430	455	483	511	103	
10103	411	421	435	446	462	476	65	
10104	443	454	472	490	523	549	106	
10105	489	500	515	540	561	592	103	
10106	460	469	477	483	504	509	49	
10107	475	493	519	546	572	595	120	
10108	418	434	435	452	476	495	77	
10109	434	444	470	496	514	534	100	
10110	429	444	464	485	501	527	98	
10111	433	449	470	494	524	546	113	
10112	459	470	480	515	541	561	102	
n	12	12	12	12	12	12	12	
Mean	444.7	457.3	472.8	494.4	518.7	539.7	95.0	
S.D.	27.1	28.1	30.0	33.6	35.7	38.3	20.7	

Animal No.	Body weight Sex : Male /Day		Period : Administration Day 1-28 Dose : Isooctane 30 mg/kg					Unit : g	Species : Rat
	1	4	7	14	21	28	Body weight gain		
10201	452	458	480	502	516	530	78		
10202	481	492	506	529	558	584	103		
10203	444	462	480	512	534	561	117		
10204	439	450	464	482	500	514	75		
10205	459	470	489	520	547	574	115		
10206	459	467	480	516	547	577	118		
10207	417	420	432	456	472	495	78		
10208	464	474	483	504	529	554	90		
10209	420	427	436	455	474	490	70		
10210	406	412	428	444	454	468	62		
10211	478	494	504	537	542	554	76		
10212	423	428	428	437	460	468	45		
n	12	12	12	12	12	12	12		
Mean	445.2	454.5	467.5	491.2	511.1	530.8	85.6		
S.D.	24.6	27.4	29.2	35.0	37.5	42.6	23.3		

Animal No.	Body weight Sex : Male /Day		Period : Administration Day 1-28 Dose : Isooctane 100 mg/kg				Unit : g	Species : Rat
	1	4	7	14	21	28		
10301	415	422	433	445	459	471	56	
10302	431	441	456	468	483	493	62	
10303	406	421	436	453	470	488	82	
10304	485	496	511	530	546	539	54	
10305	469	483	502	538	549	571	102	
10306	419	435	444	467	475	495	76	
10307	438	455	467	491	504	518	80	
10308	453	464	482	508	530	543	90	
10309	453	476	487	507	526	544	91	
10310	418	435	449	475	492	510	92	
10311	484	498	512	531	552	577	93	
10312	467	484	498	521	535	543	76	
n	12	12	12	12	12	12	12	
Mean	444.8	459.2	473.1	494.5	510.1	524.3	79.5	
S.D.	27.6	28.1	29.3	32.4	33.5	33.7	15.5	

Animal No.	Body weight Sex : Male /Day		Period : Administration Day 1-28 Dose : Isooctane 300 mg/kg					Unit : g	Species : Rat
	1	4	7	14	21	28	Body weight gain		
10401	414	420	409	410	410	416	2		
10402	478	483	495	514	516	533	55		
10403	419	426	422	428	428	434	15		
10404	449	449	413	440	459	465	16		
10405	414	423	422	433	430	427	13		
10406	472	477	483	490	503	518	46		
10407	466	468	479	470	475	482	16		
10408	436	443	449	452	458	459	23		
10409	456	457	460	476	491	511	55		
10410	416	421	428	448	461	477	61		
10411	441	444	451	447	443	446	5		
10412	467	479	493	510	524	529	62		
n	12	12	12	12	12	12	12		
Mean	444.0	449.2	450.3	459.8	466.5	474.8	30.8		
S.D.	24.1	23.7	31.6	32.6	36.3	40.6	23.1		

Animal No.	Body weight Sex : Female /Day				Period : F0 before mating Day 1-14 Dose : Isooctane 0 mg/kg	Unit : g	Species : Rat
	1	4	7	14			
50151	246	249	250	275	29		
50152	248	245	252	256	8		
50153	246	256	263	260	14		
50154	247	242	240	251	4		
50155	257	252	270	278	21		
50156	273	271	288	301	28		
50157	233	233	243	250	17		
50158	277	273	286	294	17		
50159	273	280	286	302	29		
50160	264	265	275	290	26		
50161	221	227	230	235	14		
50162	222	240	241	249	27		
n	12	12	12	12	12		
Mean	250.6	252.8	260.3	270.1	19.5		
S.D.	19.0	16.7	20.4	22.9	8.5		

Animal No.	Body weight Sex : Female /Day		Period : F0 gestation Day 0-20 Dose : Isooctane 0 mg/kg			Unit : g	Species : Rat
	0	7	14	20	Body weight gain		
50151	299	324	353	431	132		
50152	266	301	338	429	163		
50153	273	318	369	458	185		
50154	251	297	346	423	172		
50155	275	324	368	458	183		
50156	307	351	389	488	181		
50157	257	293	335	417	160		
50158	297	331	371	451	154		
50159	303	335	376	473	170		
50160	293	344	382	454	161		
50161	234	278	310	381	147		
50162	256	292	331	422	166		
n	12	12	12	12	12		
Mean	275.9	315.7	355.7	440.4	164.5		
S.D.	23.8	23.1	24.0	28.9	15.5		

Animal No.	Body weight Sex : Female /Day				Period : F0 lactation Day 0-13 Dose : Isooctane 0 mg/kg	Unit : g	Species : Rat
	0	4	7	13			
50151	333	344	347	366	33		
50152	321	345	349	343	22		
50153	341	356	355	362	21		
50154	317	329	339	340	23		
50155	347	369	362	360	13		
50156	360	384	389	389	29		
50157	316	335	327	333	17		
50158	366	377	383	381	15		
50160	376	380	385	387	11		
50161	288	306	315	325	37		
50162	315	339	338	334	19		
n	11	11	11	11	11		
Mean	334.5	351.3	353.5	356.4	21.8		
S.D.	26.3	24.4	24.3	22.9	8.3		

Animal No.	Body weight Sex : Female /Day				Period : F0 before mating Day 1-14 Dose : Isooctane 30 mg/kg	Unit : g	Species : Rat
	1	4	7	14			
50251	252	261	269	278	26		
50252	228	240	249	253	25		
50253	267	269	279	280	13		
50254	245	256	257	266	21		
50255	249	251	259	272	23		
50256	227	233	231	239	12		
50257	277	277	288	292	15		
50258	249	262	259	278	29		
50259	283	276	292	300	17		
50260	277	274	293	296	19		
50261	211	220	212	225	14		
50262	226	229	231	228	2		
n	12	12	12	12	12		
Mean	249.3	254.0	259.9	267.3	18.0		
S.D.	23.3	19.5	26.0	25.7	7.5		

Animal No.	Body weight Sex : Female /Day		Period : F0 gestation Day 0-20 Dose : Isooctane 30 mg/kg			Unit : g	Species : Rat
	0	7	14	20	Body weight gain		
50251	285	327	371	451	166		
50252	261	294	325	394	133		
50253	290	347	391	445	155		
50254	275	311	348	432	157		
50255	279	301	337	405	126		
50256	238	279	319	413	175		
50257	295	340	384	478	183		
50258	272	320	351	409	137		
50259	306	354	410	501	195		
50260	300	333	372	465	165		
50261	226	264	299	345	119		
50262	246	287	342	440	194		
n	12	12	12	12	12		
Mean	272.8	313.1	354.1	431.5	158.8		
S.D.	25.4	28.5	32.5	41.8	25.8		

Animal No.	Body weight Sex : Female		Period : F0 lactation Day 0-13 Dose : Isooctane 30 mg/kg		Unit : g	Species : Rat
	/Day	0	4	7	13	
50251		360	383	393	383	23
50252		309	323	339	333	24
50254		300	332	338	359	59
50255		330	359	349	360	30
50256		298	317	326	339	41
50257		367	380	387	386	19
50258		330	337	345	335	5
50259		388	412	422	409	21
50261		273	305	298	297	24
50262		332	342	378	372	40
n		10	10	10	10	10
Mean		328.7	349.0	357.5	357.3	28.6
S.D.		35.3	33.8	36.8	32.4	14.9

Animal No.	Body weight Sex : Female /Day				Period : F0 before mating Day 1-14 Dose : Isooctane 100 mg/kg	Unit : g	Species : Rat
	1	4	7	14			
50351	243	255	253	249	6		
50352	231	240	250	255	24		
50353	257	259	271	282	25		
50354	248	252	245	239	-9		
50355	255	248	263	270	15		
50356	226	239	244	239	13		
50357	267	275	284	297	30		
50358	262	264	268	284	22		
50359	263	271	271	273	10		
50360	230	232	245	253	23		
50361	226	235	237	248	22		
50362	271	283	285	297	26		
n	12	12	12	12	12		
Mean	248.3	254.4	259.7	265.5	17.3		
S.D.	16.6	16.5	16.2	21.2	10.9		

Animal No.	Body weight Sex : Female /Day		Period : F0 gestation Day 0-20 Dose : Isooctane 100 mg/kg		Unit : g	Species : Rat
	0	7	14	20	Body weight gain	
50351	272	310	342	419	147	
50352	253	290	324	409	156	
50353	288	323	373	472	184	
50354	251	305	347	426	175	
50355	269	296	324	395	126	
50356	245	281	313	380	135	
50357	315	350	380	455	140	
50358	292	332	377	461	169	
50359	285 \$	324 \$	338 \$	363 \$	78 \$	
50360	256	290	337	424	168	
50361	246	275	308	371	125	
50362	323	361	417	521	198	
n	11	11	11	11	11	
Mean	273.6	310.3	349.3	430.3	156.6	
S.D.	27.5	28.2	33.7	44.1	24.2	

\$ : Excepted data from calculation (non-pregnancy)

Animal No.	Body weight Sex : Female		Period : F0 lactation Day 0-13 Dose : Isooctane 100 mg/kg		Unit : g	Species : Rat
	/Day	0	4	7	13	
50351		327	338	340	365	38
50352		289	319	330	347	58
50353		361	362	362	370	9
50354		332	329	360	352	20
50355		293	313	326	336	43
50356		295	302	308	315	20
50357		362	372	375	375	13
50358		307	359	366	372	65
50360		300	318	337	347	47
50361		287	312	316	330	43
50362		406	412	417	418	12
n		11	11	11	11	11
Mean		323.5	339.6	348.8	357.0	33.5
S.D.		38.6	33.3	31.2	27.7	19.6

Animal No.	Body weight Sex : Female /Day				Period : F0 before mating Day 1-14 Dose : Isooctane 300 mg/kg	Unit : g	Species : Rat
	1	4	7	14			
50451	245	250	264	271	26		
50452	234	244	247	244	10		
50453	256	246	262	268	12		
50454	251	258	259	261	10		
50455	257	255	259	268	11		
50456	282	279	298	307	25		
50457	274	276	278	284	10		
50458	233	243	250	258	25		
50459	238	241	252	255	17		
50460	229	232	245	246	17		
50461	259	261	254	252	-7		
50462	271	265	280	276	5		
n	12	12	12	12	12		
Mean	252.4	254.2	262.3	265.8	13.4		
S.D.	17.3	14.3	15.7	17.7	9.5		

Animal No.	Body weight Sex : Female /Day		Period : F0 gestation Day 0-20 Dose : Isooctane 300 mg/kg			Unit : g	Species : Rat
	0	7	14	20	Body weight gain		
50451	268	299	329	405	137		
50452	257	272	300	368	111		
50453	269	302	339	426	157		
50454	277	305	340	419	142		
50455	275	306	343	413	138		
50456	314	345	381	464	150		
50457	278	318	353	422	144		
50458	264	290	328	420	156		
50459	253	300	342	420	167		
50460	249	275	302	369	120		
50461	271	306	354	423	152		
50462	299	319	369	453	154		
n	12	12	12	12	12		
Mean	272.8	303.1	340.0	416.8	144.0		
S.D.	18.5	19.6	23.8	27.9	15.9		

Animal No.	Body weight Sex : Female /Day				Period : F0 lactation Day 0-13 Dose : Isooctane 300 mg/kg	Unit : g	Species : Rat
	0	4	7	13			
50451	302	322	317	338	36		
50452	274	272	282	298	24		
50453	309	329	340	352	43		
50454	323	323	322	331	8		
50455	323	335	347	364	41		
50456	362	378	377	397	35		
50457	332	342	332	344	12		
50458	292	318	333	333	41		
50459	315	331	335	352	37		
50460	280	298	294	314	34		
50461	311	313	323	339	28		
50462	348	361	369	385	37		
n	12	12	12	12	12		
Mean	314.3	326.8	330.9	345.6	31.3		
S.D.	25.9	27.4	27.0	27.6	11.3		

Animal No.	Body weight Sex : Female (satellite)		Period : Administration Day 1-28 Dose : Isooctane 0 mg/kg					Unit : g	Species : Rat	
	/Day		1	4	7	14	21	28	Body weight gain	
50551		254	252	267	278	280	289	289	35	
50552		253	264	264	266	285	285	285	32	
50553		240	249	259	265	268	280	280	40	
50554		241	240	254	261	272	274	274	33	
50555		231	241	250	252	259	266	266	35	
50556		239	241	245	244	252	255	255	16	
50557		254	253	263	267	282	282	282	28	
50558		232	241	254	254	250	259	259	27	
50559		257	254	273	275	278	275	275	18	
50560		259	258	273	285	291	288	288	29	
n		10	10	10	10	10	10	10	10	
Mean		246.0	249.3	260.2	264.7	271.7	275.3	275.3	29.3	
S.D.		10.5	8.4	9.5	12.6	14.1	11.9	11.9	7.5	

Animal No.	Body weight Sex : Female (satellite)		Period : Administration Day 1-28 Dose : Isooctane 300 mg/kg					Unit : g	Species : Rat
	/Day	1	4	7	14	21	28		
50651		251	250	249	248	261	258	7	
50652		254	246	265	264	267	268	14	
50653		242	250	255	257	260	263	21	
50654		245	246	257	261	262	259	14	
50655		236	243	252	253	254	263	27	
50656		253	249	261	268	272	276	23	
50657		257	261	262	277	286	285	28	
50658		263	262	275	279	275	268	5	
50659		226	236	241	241	238	256	30	
50660		247	248	259	257	260	255	8	
n		10	10	10	10	10	10	10	
Mean		247.4	249.1	257.6	260.5	263.5	265.1	17.7	
S.D.		10.8	7.7	9.3	12.0	12.9	9.5	9.3	

Animal No.	Body weight Sex : Male /Day			Period : Recovery Day 1-14	Unit : g	Species : Rat
	1	7	14	Body weight gain		
10106	506	526	536	30		
10109	531	544	556	25		
10110	527	539	552	25		
10111	550	558	578	28		
10112	565	589	613	48		
n	5	5	5	5		
Mean	535.8	551.2	567.0	31.2		
S.D.	22.6	24.0	29.8	9.6		

Animal No.	Body weight Sex : Male /Day			Period : Recovery Day 1-14 Dose : Isooctane 300 mg/kg	Unit : g	Species : Rat
	1	7	14	Body weight gain		
10406	518	530	547	29		
10407	479	491	515	36		
10408	457	473	489	32		
10410	478	488	511	33		
10411	447	463	486	39		
n	5	5	5	5		
Mean	475.8	489.0	509.6	33.8		
S.D.	27.3	25.6	24.6	3.8		

Animal No.	Body weight Sex : Female (satellite)			Period : Recovery Day 1-14	Unit : g	Species : Rat
	/Day	1	7	14	Body weight gain	
50556		251	257	259	8	
50557		290	303	301	11	
50558		252	265	276	24	
50559		280	291	294	14	
50560		295	308	316	21	
n		5	5	5	5	
Mean		273.6	284.8	289.2	15.6	
S.D.		20.9	22.8	22.2	6.7	

Animal No.	Body weight Sex : Female (satellite)			Period : Recovery Day 1-14	Unit : g	Species : Rat
	/Day	1	7	14	Body weight gain	
50656		277	279	284	7	
50657		286	285	301	15	
50658		272	277	286	14	
50659		250	262	273	23	
50660		256	269	276	20	
n		5	5	5	5	
Mean		268.2	274.4	284.0	15.8	
S.D.		14.9	9.0	10.9	6.1	

Animal No.	Food consumption Sex : Male /Day				Period : Administration Day 1-28 Dose : Isooctane 0 mg/kg	Unit : g	Species : Rat
	4	7	14	28			
10101	26.0	23.8	24.0	...:			
10102	22.5	24.1	23.9	23.5			
10103	22.7	23.3	22.2	22.9			
10104	23.3	24.3	25.7	27.8			
10105	26.5	27.3	27.0	25.3			
10106	22.3	21.2	19.7	17.7			
10107	26.6	27.6	26.6	26.7			
10108	24.3	21.2	23.5	24.0			
10109	25.1	26.4	25.8	20.8			
10110	23.5	23.1	22.2	20.8			
10111	24.1	26.6	25.4	24.2			
10112	24.4	24.1	26.0	25.3			
n	12	12	12	11			
Mean	24.28	24.42	24.33	23.55			
S.D.	1.51	2.16	2.17	2.91			

...: During mating

Animal No.	Food consumption Sex : Male /Day				Period : Administration Day 1-28 Dose : Isooctane 30 mg/kg	Unit : g	Species : Rat
	4	7	14	28			
10201	23.5	25.4	23.3	19.3			
10202	26.2	26.3	25.3	26.6			
10203	24.4	25.9	25.1	24.2			
10204	23.4	22.9	22.0	20.1			
10205	24.0	25.1	25.9	25.1			
10206	23.2	22.5	24.1	23.8			
10207	21.7	23.6	23.7	22.8			
10208	24.4	25.2	24.6	25.2			
10209	21.1	23.2	22.4	21.0			
10210	19.0	20.6	20.6	18.6			
10211	24.0	23.9	23.7	19.5			
10212	20.8	19.1	17.9	18.9			
n	12	12	12	12			
Mean	22.98	23.64	23.22	22.09			
S.D.	1.97	2.17	2.25	2.84			

Animal No.	Food consumption Sex : Male /Day				Period : Administration Day 1-28 Dose : Isooctane 100 mg/kg	Unit : g	Species : Rat
	4	7	14	28			
10301	20.7	21.6	20.5	20.3			
10302	18.3	19.2	20.4	18.3			
10303	22.0	21.1	20.7	19.6			
10304	24.5	26.1	25.2	17.8			
10305	24.6	25.9	25.5	22.7			
10306	21.2	20.6	21.4	20.8			
10307	25.0	25.2	25.1	22.3			
10308	23.7	24.9	23.6	21.8			
10309	23.7	22.5	22.1	22.5			
10310	23.1	23.8	24.4	21.3			
10311	23.8	23.8	24.2	24.6			
10312	26.2	25.1	24.0	19.5			
n	12	12	12	12			
Mean	23.07	23.32	23.09	20.96			
S.D.	2.18	2.28	1.95	1.97			

Animal No.	Food consumption Sex : Male /Day				Period : Administration Day 1-28 Dose : Isooctane 300 mg/kg	Unit : g	Species : Rat
	4	7	14	28			
10401	19.0	13.6	15.1	16.0			
10402	22.0	21.3	22.1	21.6			
10403	17.6	17.1	18.9	18.4			
10404	20.3	8.4	15.7	21.4			
10405	18.4	17.4	17.5	15.5			
10406	24.2	23.0	23.3	22.3			
10407	21.6	22.5	18.2	18.8			
10408	22.1	19.5	19.4	18.6			
10409	22.6	19.4	22.2	23.9			
10410	19.0	18.1	18.9	18.1			
10411	22.2	20.3	20.2	19.2			
10412	24.6	22.0	23.2	22.3			
n	12	12	12	12			
Mean	21.13	18.55	19.56	19.68			
S.D.	2.26	4.16	2.74	2.62			

Animal No.	Food consumption Sex : Female /Day			Period : F0 before mating Day 1-14 Dose : Isooctane 0 mg/kg	Unit : g	Species : Rat
	4	7	14			
50151	14.7	14.4	16.5			
50152	15.6	16.9	15.8			
50153	18.3	16.1	15.0			
50154	14.9	15.7	16.4			
50155	16.6	18.1	16.0			
50156	15.8	18.4	17.6			
50157	13.2	15.3	14.3			
50158	16.5	18.8	18.0			
50159	17.6	18.4	17.3			
50160	15.7	17.2	16.6			
50161	15.4	13.2	13.9			
50162	18.2	14.8	15.8			
n	12	12	12			
Mean	16.04	16.44	16.10			
S.D.	1.50	1.81	1.25			

Animal No.	Food consumption Sex : Female /Day			Period : F0 gestation Day 0-20 Dose : Isooctane 0 mg/kg	Unit : g	Species : Rat
	7	14	20			
50151	14.9	19.9	20.0			
50152	19.8	20.9	21.0			
50153	25.2	26.6	24.4			
50154	22.3	26.7	24.7			
50155	22.4	23.7	23.4			
50156	23.4	24.3	25.1			
50157	20.0	21.5	20.4			
50158	22.2	25.6	25.0			
50159	19.4	22.2	21.3			
50160	24.8	27.8	24.3			
50161	18.8	19.9	21.8			
50162	21.7	23.3	24.8			
n	12	12	12			
Mean	21.24	23.53	23.02			
S.D.	2.86	2.73	1.96			

Animal No.	Food consumption Sex : Female /Day			Period : F0 lactation Day 0-13 Dose : Isooctane 0 mg/kg	Unit : g	Species : Rat
	4	7	13			
50151	29.1	39.6	52.9			
50152	32.7	42.3	49.2			
50153	28.8	37.9	51.4			
50154	32.9	43.8	55.0			
50155	29.9	40.9	51.1			
50156	30.3	51.1	59.2			
50157	30.8	39.6	49.6			
50158	32.9	43.5	55.8			
50160	29.8	43.4	52.5			
50161	27.5	38.5	49.4			
50162	28.8	40.7	53.5			
n	11	11	11			
Mean	30.32	41.94	52.69			
S.D.	1.84	3.66	3.08			

Animal No.	Food consumption Sex : Female /Day			Period : F0 before mating Day 1-14 Dose : Isooctane 30 mg/kg	Unit : g	Species : Rat
	4	7	14			
50251	17.4	15.9	16.0			
50252	15.4	14.2	14.6			
50253	17.7	19.2	16.9			
50254	20.5	17.0	18.5			
50255	14.5	15.7	14.9			
50256	15.2	14.7	15.4			
50257	16.3	18.4	15.6			
50258	15.4	15.4	17.2			
50259	15.7	18.0	15.6			
50260	17.5	20.1	17.5			
50261	14.1	10.6	13.9			
50262	14.7	13.1	13.2			
n	12	12	12			
Mean	16.20	16.03	15.78			
S.D.	1.81	2.71	1.54			

Animal No.	Food consumption Sex : Female /Day			Period : F0 gestation Day 0-20 Dose : Isooctane 30 mg/kg	Unit : g	Species : Rat
	7	14	20			
50251	22.3	25.2	25.1			
50252	19.3	19.4	18.4			
50253	26.8	32.8	32.6			
50254	23.1	24.2	23.3			
50255	18.2	20.0	20.1			
50256	20.2	22.3	21.7			
50257	21.3	24.5	25.2			
50258	21.5	20.9	18.0			
50259	24.8	27.7	27.8			
50260	:::	21.2	23.0			
50261	19.1	20.8	18.9			
50262	21.1	24.5	25.0			
n	11	12	12			
Mean	21.61	23.63	23.26			
S.D.	2.56	3.80	4.27			

::: : Data not available due to a balance operation error

Animal No.	Food consumption Sex : Female /Day			Period : F0 lactation Day 0-13 Dose : Isooctane 30 mg/kg	Unit : g	Species : Rat
	4	7	13			
50251	30.8	41.4	51.5			
50252	29.7	45.5	52.7			
50254	33.9	45.4	59.0			
50255	35.5	45.7	56.6			
50256	28.8	34.9	46.7			
50257	28.7	44.2	55.5			
50258	26.6	36.6	46.2			
50259	30.7	49.2	55.4			
50261	35.0	44.1	51.7			
50262	23.8	46.7	56.4			
n	10	10	10			
Mean	30.35	43.37	53.17			
S.D.	3.71	4.49	4.25			

Animal No.	Food consumption Sex : Female /Day			Period : F0 before mating Day 1-14 Dose : Isooctane 100 mg/kg	Unit : g	Species : Rat
	4	7	14			
50351	15.2	14.0	15.3			
50352	15.6	15.6	15.6			
50353	14.7	17.3	16.5			
50354	14.4	12.6	12.0			
50355	14.5	17.9	16.1			
50356	15.6	14.2	13.6			
50357	16.7	18.2	18.5			
50358	15.0	17.7	17.8			
50359	17.2	14.3	14.7			
50360	15.4	16.4	15.6			
50361	14.9	12.8	15.1			
50362	18.1	18.2	20.8			
n	12	12	12			
Mean	15.61	15.77	15.97			
S.D.	1.15	2.12	2.29			

Animal No.	Food consumption Sex : Female /Day			Period : F0 gestation Day 0-20 Dose : Isooctane 100 mg/kg	Unit : g	Species : Rat
	7	14	20			
50351	22.4	25.7	22.6			
50352	18.0	20.2	19.6			
50353	22.0	26.1	27.5			
50354	22.7	25.0	22.0			
50355	20.0	19.7	20.0			
50356	18.6	20.2	19.5			
50357	22.4	23.2	22.4			
50358	23.6	26.1	23.4			
50359	21.0 \$	22.7 \$	23.5 \$			
50360	20.3	22.3	20.1			
50361	18.2	20.4	21.0			
50362	23.8	29.0	27.0			
n	11	11	11			
Mean	21.09	23.45	22.28			
S.D.	2.15	3.13	2.78			

\$ : Excepted data from calculation (non-pregnancy)

Animal No.	Food consumption Sex : Female /Day			Period : F0 lactation Day 0-13 Dose : Isooctane 100 mg/kg	Unit : g	Species : Rat
	4	7	13			
50351	21.4	43.0	55.4			
50352	32.6	43.8	54.3			
50353	30.7	41.6	51.0			
50354	26.0	43.8	51.1			
50355	30.9	42.8	51.5			
50356	22.2	35.5	46.2			
50357	28.2	38.7	47.1			
50358	37.1	47.6	55.4			
50360	29.4	38.6	48.6			
50361	29.1	39.8	47.5			
50362	30.6	44.4	57.0			
n	11	11	11			
Mean	28.93	41.78	51.37			
S.D.	4.49	3.38	3.75			

Animal No.	Food consumption Sex : Female /Day			Period : F0 before mating Day 1-14 Dose : Isooctane 300 mg/kg	Unit : g	Species : Rat
	4	7	14			
50451	14.7	16.2	14.9			
50452	16.6	15.6	14.8			
50453	15.4	18.7	15.4			
50454	17.1	15.6	17.6			
50455	12.9	18.6	14.6			
50456	18.7	21.9	20.1			
50457	17.3	19.5	19.0			
50458	17.3	15.2	15.6			
50459	14.2	14.6	14.8			
50460	13.4	14.8	12.7			
50461	11.8	11.2	12.3			
50462	14.9	17.7	16.1			
n	12	12	12			
Mean	15.36	16.63	15.66			
S.D.	2.08	2.81	2.30			

Animal No.	Food consumption Sex : Female /Day			Period : F0 gestation Day 0-20 Dose : Isooctane 300 mg/kg	Unit : g	Species : Rat
	7	14	20			
50451	18.4	19.4	20.5			
50452	17.2	18.8	18.6			
50453	21.3	21.8	23.8			
50454	21.6	24.3	23.0			
50455	18.8	22.0	23.8			
50456	21.8	24.8	23.7			
50457	22.2	22.9	22.3			
50458	19.1	20.5	21.2			
50459	20.4	22.5	22.4			
50460	16.2	17.7	19.7			
50461	17.2	21.0	18.5			
50462	21.1	23.6	25.0			
n	12	12	12			
Mean	19.61	21.61	21.88			
S.D.	2.06	2.21	2.16			

Animal No.	Food consumption Sex : Female /Day			Period : F0 lactation Day 0-13 Dose : Isooctane 300 mg/kg	Unit : g	Species : Rat
	4	7	13			
50451	24.2	35.4	50.2			
50452	20.1	35.5	47.3			
50453	27.5	38.9	49.1			
50454	23.9	35.7	48.2			
50455	27.0	42.3	59.5			
50456	33.4	39.4	51.2			
50457	29.3	38.9	54.8			
50458	30.9	39.9	59.8			
50459	30.6	41.1	54.8			
50460	27.9	34.8	49.5			
50461	18.2	34.0	46.8			
50462	30.1	43.5	58.5			
n	12	12	12			
Mean	26.93	38.28	52.48			
S.D.	4.55	3.15	4.81			

Animal No.	Food consumption Sex : Female (satellite)		Period : Administration Day 1-28 Dose : Isooctane 0 mg/kg			Unit : g	Species : Rat
	/Day		4	7	14	21	28
50551		17.1	18.2	16.3	15.8	15.6	
50552		15.4	14.6	15.4	16.6	14.4	
50553		16.4	15.5	15.4	15.7	16.0	
50554		16.4	18.4	16.3	16.3	16.8	
50555		16.6	15.6	14.9	15.9	15.9	
50556		13.3	13.0	13.4	13.7	12.1	
50557		16.5	18.2	16.7	19.5	17.2	
50558		14.4	14.9	13.7	13.6	13.4	
50559		13.8	17.9	15.3	13.9	14.1	
50560		17.0	19.3	18.0	16.5	16.4	
n		10	10	10	10	10	
Mean		15.69	16.56	15.54	15.75	15.19	
S.D.		1.38	2.09	1.38	1.76	1.63	

Animal No.	Food consumption Sex : Female (satellite)		Period : Administration Day 1-28 Dose : Isooctane 300 mg/kg			Unit : g	Species : Rat
	/Day		4	7	14	21	28
50651		13.4	13.2	14.8	16.0	12.8	
50652		12.6	15.9	13.5	13.5	14.1	
50653		14.5	13.1	14.5	13.8	14.8	
50654		15.0	15.8	14.8	13.9	13.9	
50655		16.2	14.2	14.8	14.8	14.3	
50656		14.7	16.9	15.3	15.3	14.6	
50657		14.7	15.8	16.8	15.3	13.7	
50658		16.6	17.3	15.1	13.7	13.2	
50659		15.2	13.5	13.6	13.6	15.9	
50660		14.6	14.8	14.1	13.3	12.7	
n		10	10	10	10	10	
Mean		14.75	15.05	14.73	14.32	14.00	
S.D.		1.17	1.52	0.94	0.94	0.98	

Animal No.	Food consumption Sex : Male /Day		Period : Recovery Day 1-14 Dose : Isooctane 0 mg/kg	Unit : g	Species : Rat
	7	14			
10106	24.3	24.5			
10109	25.4	26.3			
10110	25.8	25.7			
10111	26.7	29.2			
10112	31.8	32.8			
n	5	5			
Mean	26.80	27.70			
S.D.	2.92	3.33			

Animal No.	Food consumption Sex : Male /Day		Period : Recovery Day 1-14 Dose : Isooctane 300 mg/kg	Unit : g	Species : Rat
	7	14			
10406	26.9	25.6			
10407	24.0	24.9			
10408	24.9	25.3			
10410	23.4	23.9			
10411	25.0	26.3			
n	5	5			
Mean	24.84	25.20			
S.D.	1.33	0.89			

Animal No.	Food consumption Sex : Female (satellite) /Day		Period : Recovery Day 1-14 Dose : Isooctane 0 mg/kg	Unit : g	Species : Rat
	7	14			
50556	16.2	15.9			
50557	22.1	22.8			
50558	22.8	17.9			
50559	20.1	18.8			
50560	22.0	20.7			
n	5	5			
Mean	20.64	19.22			
S.D.	2.68	2.64			

Animal No.	Food consumption Sex : Female (satellite) /Day		Period : Recovery Day 1-14 Dose : Isooctane 300 mg/kg	Unit : g	Species : Rat
	7	14			
50656	18.2	17.3			
50657	16.2	17.8			
50658	17.0	16.2			
50659	18.2	17.7			
50660	18.7	16.7			
n	5	5			
Mean	17.66	17.14			
S.D.	1.03	0.68			

Urinary findings Sex : Male		Stage : Week 4 Dose : Isooctane 0 mg/kg						Species : Rat	
Animal No.	pH	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	Protein	
10106	8.5	-	-	0.1	-	-	A	+	
10109	8.5	-	-	0.1	-	-	A	2+	
10110	8.5	-	-	0.1	-	-	A	2+	
10111	8.5	-	-	0.1	-	-	A	+	
10112	8.5	-	-	0.1	-	-	A	+	
n		5	5	5	5	5	5	5	

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings		Stage : Week 4	Species : Rat
Sex : Male		Dose : Isooctane 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10106	7.5		
10109	6.5		
10110	8.0		
10111	9.5		
10112	10.0		
n	5		
Mean	8.30		
S.D.	1.44		

Animal No.	Urinary findings		Stage : Week 4				Species : Rat	
	Sex : Male	Specific gravity	RBC	WBC	Squamous	Round	Small round	
10106		5	-	-	-	-	-	-
10109		5	-	-	-	-	-	-
10110		5	-	-	-	-	-	-
10111		5	-	-	-	-	-	-
10112		5	-	-	-	-	-	-
n		5	5	5	5	5	5	5

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<

Animal No.	Urinary findings		Stage : Week 4 Dose : Isooctane 30 mg/kg					Species : Rat
	pH	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
10201	8.5	-	-	0.1	-	-	A	±
10204	8.5	-	-	0.1	-	-	A	2+
10208	8.5	-	-	0.1	-	-	A	±
10209	8.5	-	-	0.1	-	-	A	2+
10211	8.5	-	-	0.1	-	-	A	2+
n	5	5	5	5	5	5	5	5

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings		Stage : Week 4	Species : Rat
Sex : Male		Dose : Isooctane 30 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10201	11.0		
10204	7.5		
10208	15.0		
10209	9.5		
10211	5.0		
n	5		
Mean	9.60		
S.D.	3.76		

Animal No.	Urinary findings		Stage : Week 4					Species : Rat
	Sex : Male	Specific gravity	RBC	WBC	Squamous	Round	Small round	
10201		4	-	-	±	-	-	-
10204		5	-	-	-	-	-	-
10208		4	-	-	-	-	-	-
10209		4	-	-	-	-	-	-
10211		5	-	-	-	-	-	-
n		5	5	5	5	5	5	5

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<

Sex : Male	Urinary findings							Species : Rat
	pH	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
EU/dL								
Animal No.								
10302	8.5	-	-	0.1	-	-	A	±
10304	8.5	-	-	0.1	-	-	A	2+
10307	8.5	-	-	0.1	-	-	A	+
10308	8.5	-	-	0.1	-	-	A	±
10310	8.5	-	-	0.1	-	-	A	+
n	5	5	5	5	5	5	5	5

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings		Stage : Week 4	Species : Rat
Sex : Male		Dose : Isooctane 100 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10302	11.5		
10304	11.5		
10307	11.0		
10308	12.0		
10310	14.5		
n	5		
Mean	12.10		
S.D.	1.39		

Animal No.	Urinary findings		Stage : Week 4		Species : Rat			
	Sex : Male	Specific gravity	RBC	WBC	Squamous	Round	Small round	Cast
10302		4	-	-	-	-	-	-
10304		4	-	-	-	-	-	-
10307		5	-	-	-	-	-	-
10308		4	-	-	-	-	-	-
10310		3	-	-	-	-	-	-
n		5	5	5	5	5	5	5

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<

Sex : Male	Urinary findings							Species : Rat
	pH	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.							EU/dL	
10406	8.5	-	-	0.1	-	-	A	2+
10407	8.5	-	-	0.1	-	-	A	2+
10408	8.5	-	-	0.1	-	-	A	+
10410	8.0	-	-	0.1	-	-	A	+
10411	8.5	-	-	0.1	-	-	A	2+
n	5	5	5	5	5	5	5	5

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings		Stage : Week 4	Species : Rat
Sex : Male		Dose : Isooctane 300 mg/kg	
Urine volume			
Animal No.	mL/24hr		
10406	14.0		
10407	19.0		
10408	25.5		
10410	11.5		
10411	11.0		
n	5		
Mean	16.20		
S.D.	6.09		

Animal No.	Urinary findings		Stage : Week 4			Species : Rat		
	Sex : Male	Specific gravity	RBC	WBC	Squamous	Round	Small round	Cast
10406		4	-	-	-	-	-	-
10407		4	-	-	-	-	-	-
10408		2	-	-	-	-	-	-
10410		4	-	-	-	-	-	-
10411		5	-	-	-	-	-	-
n		5	5	5	5	5	5	5

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<

Urinary findings Sex : Female (satellite)		Stage : Week 4 Dose : Isooctane 0 mg/kg						Species : Rat	
Animal No.		pH	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	Protein
50556		7.5	-	-	0.1	-	-	A	+
50557		7.0	-	-	0.1	-	-	A	+
50558		7.0	-	-	0.1	-	-	A	+
50559		8.5	-	-	0.1	-	+	A	2+
50560		8.5	-	-	0.1	-	-	A	+
n		5	5	5	5	5	5	5	5

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings		Stage : Week 4	Species : Rat
Sex : Female (satellite)		Dose : Isooctane 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50556	11.0		
50557	6.5		
50558	7.5		
50559	5.0		
50560	10.5		
n	5		
Mean	8.10		
S.D.	2.58		

Urinary findings Sex : Female (satellite)		Stage : Week 4 Dose : Isooctane 0 mg/kg					Species : Rat
	Specific gravity	RBC	WBC	Squamous	Round	Small round	Cast
<b>Animal No.</b>							
50556	3	-	-	-	-	-	-
50557	5	-	-	-	-	-	-
50558	4	-	-	-	-	-	-
50559	5	-	-	-	-	-	-
50560	4	-	-	-	-	-	-
n	5	5	5	5	5	5	5

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<

Urinary findings Sex : Female (satellite)		Stage : Week 4 Dose : Isooctane 300 mg/kg						Species : Rat	
Animal No.	pH	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	Protein	
50656	6.5	-	-	0.1	-	-	A	2+	
50657	8.5	-	-	0.1	-	-	A	2+	
50658	8.0	-	-	0.1	-	-	A	2+	
50659	7.5	-	-	0.1	-	-	A	2+	
50660	7.5	-	-	0.1	-	-	A	+	
n		5	5	5	5	5	5	5	

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings		Stage : Week 4	Species : Rat
Sex : Female (satellite)		Dose : Isooctane 300 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50656	11.5		
50657	8.0		
50658	6.0		
50659	8.0		
50660	18.0		
n	5		
Mean	10.30		
S.D.	4.74		

Animal No.	Urinary findings		Stage : Week 4					Species : Rat
	Specific gravity	RBC	WBC	Squamous	Round	Small round	Cast	
50656	3	-	-	-	-	-	-	
50657	4	-	-	-	-	-	-	
50658	5	-	-	-	-	-	-	
50659	4	-	-	-	-	-	-	
50660	2	-	-	-	-	-	-	
n	5	5	5	5	5	5	5	

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<

Sex : Male	Stage : Recovery week 2 Dose : Isooctane 0 mg/kg							Species : Rat
	pH	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.	EU/dL							
10106	8.5	-	-	0.1	-	-	A	+
10109	8.5	-	-	0.1	-	-	A	+
10110	8.5	-	-	0.1	-	+	A	2+
10111	8.5	-	-	0.1	-	±	A	+
10112	8.5	-	-	0.1	-	-	A	+
n	5	5	5	5	5	5	5	5

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings		Stage : Recovery week 2	Species : Rat
Sex : Male		Dose : Isooctane 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10106	11.5		
10109	11.0		
10110	10.5		
10111	15.0		
10112	16.0		
n	5		
Mean	12.80		
S.D.	2.51		

Sex : Male	Stage : Recovery week 2						Species : Rat
	Specific gravity	RBC	WBC	Squamous	Round	Small round	
<b>Animal No.</b>							
10106	5	-	-	-	-	-	-
10109	5	-	-	-	-	-	-
10110	5	-	-	-	-	-	-
10111	4	-	-	-	-	-	-
10112	4	-	-	-	-	-	-
n	5	5	5	5	5	5	5

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<

Sex : Male	Stage : Recovery week 2 Dose : Isooctane 300 mg/kg							Species : Rat
	pH	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.	EU/dL							
10406	8.5	-	-	0.1	-	-	A	+
10407	8.5	-	-	0.1	-	-	A	+
10408	8.5	-	-	0.1	-	-	A	+
10410	8.5	-	-	0.1	-	-	A	+
10411	8.5	-	-	0.1	-	-	A	+
n	5	5	5	5	5	5	5	5

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings		Stage : Recovery week 2	Species : Rat
Sex : Male		Dose : Isooctane 300 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10406	11.5		
10407	10.0		
10408	16.0		
10410	11.5		
10411	19.0		
n	5		
Mean	13.60		
S.D.	3.76		

Animal No.	Urinary findings		Stage : Recovery week 2				Species : Rat	
	Sex : Male	Specific gravity	RBC	WBC	Squamous	Round	Small round	
10406		5	-	-	-	-	-	-
10407		5	-	-	-	-	-	-
10408		4	-	-	-	-	-	-
10410		4	-	-	-	-	-	-
10411		3	-	-	-	-	-	-
n		5	5	5	5	5	5	5

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<

Urinary findings Sex : Female (satellite)		Stage : Recovery week 2 Dose : Isooctane 0 mg/kg						Species : Rat	
Animal No.		pH	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	Protein
50556		8.5	-	-	0.1	-	-	A	+
50557		8.5	-	-	0.1	-	±	A	+
50558		8.5	-	-	0.1	-	-	A	+
50559		8.0	-	-	0.1	-	-	A	2+
50560		8.5	-	-	0.1	-	-	A	+
n		5	5	5	5	5	5	5	5

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings		Stage : Recovery week 2	Species : Rat
Sex : Female (satellite)		Dose : Isooctane 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50556	12.0		
50557	14.5		
50558	7.0		
50559	9.0		
50560	7.0		
n	5		
Mean	9.90		
S.D.	3.29		

Animal No.	Urinary findings Sex : Female (satellite)						Species : Rat
	Specific gravity	RBC	WBC	Squamous	Round	Small round	
50556	3	-	-	-	-	-	-
50557	4	-	-	-	-	-	-
50558	4	-	-	-	-	-	-
50559	5	-	-	-	-	-	-
50560	5	-	-	-	-	-	-
n	5	5	5	5	5	5	5

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<

Urinary findings Sex : Female (satellite)		Stage : Recovery week 2 Dose : Isooctane 300 mg/kg						Species : Rat	
Animal No.	pH	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	Protein	
50656	8.0	-	-	0.1	-	-	A	+	
50657	8.5	-	-	0.1	-	-	A	±	
50658	8.0	-	-	0.1	-	-	A	+	
50659	8.0	-	-	0.1	-	-	A	+	
50660	8.0	-	-	0.1	-	-	A	±	
n		5	5	5	5	5	5	5	

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings		Stage : Recovery week 2	Species : Rat
Sex : Female (satellite)		Dose : Isooctane 300 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50656	9.5		
50657	12.5		
50658	5.0		
50659	4.0		
50660	10.5		
n	5		
Mean	8.30		
S.D.	3.65		

Animal No.	Urinary findings Sex : Female (satellite)						Species : Rat
	Specific gravity	RBC	WBC	Squamous	Round	Small round	
50656	4	-	-	-	-	-	-
50657	4	-	-	-	-	-	-
50658	5	-	-	-	-	-	-
50659	5	-	-	-	-	-	-
50660	4	-	-	-	-	-	-
n	5	5	5	5	5	5	5

Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<

Hematological findings		Stage : Day 29								Species : Rat				
Sex : Male		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte		
Animal No.		10 <sup>4</sup> /µL	g/dL	%	fL	pg	g/dL	%	10 <sup>4</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL		
10101		845	15.8	43.5	51.5	18.7	36.3	3.45	101.4	96.4	12.8	79.2		
10102		908	15.5	43.2	47.6	17.1	35.9	3.89	104.3	77.5	11.5	61.4		
10103		899	15.6	44.6	49.6	17.4	35.0	3.19	101.1	60.1	10.0	46.2		
10104		891	15.5	43.5	48.8	17.4	35.6	3.27	112.7	153.3	35.2	107.4		
10105		852	14.8	41.4	48.6	17.4	35.7	3.92	134.0	99.5	21.3	73.2		
n		5	5	5	5	5	5	5	5	5	5	5		
Mean		879.0	15.44	43.24	49.22	17.60	35.70	3.544	110.70	97.36	18.16	73.48		
S.D.		28.6	0.38	1.16	1.46	0.63	0.47	0.343	13.84	35.06	10.49	22.77		
Monocyte		Eosinophil	Basophil	PT	APTT									
Animal No.		10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	sec	sec								
10101		3.4	0.9	0.1	16.1	17.4								
10102		3.7	0.9	0.0	17.7	19.5								
10103		2.9	1.0	0.0	18.4	22.0								
10104		8.8	1.8	0.1	14.5	17.0								
10105		4.0	0.9	0.1	15.0	19.3								
n		5	5	5	5	5								
Mean		4.56	1.10	0.06	16.34	19.04								
S.D.		2.40	0.39	0.05	1.68	1.99								

Hematological findings Sex : Male				Stage : Day 29 Dose : Isooctane 30 mg/kg				Species : Rat			
Animal No.	RBC $10^4/\mu\text{L}$	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet $10^4/\mu\text{L}$	WBC $10^2/\mu\text{L}$	Neutrophil $10^2/\mu\text{L}$	Lymphocyte $10^2/\mu\text{L}$
10202	831	15.0	41.8	50.3	18.1	35.9	2.96	135.1	109.2	10.4	94.9
10203	835	15.5	43.0	51.5	18.6	36.0	2.17	86.1	96.3	10.5	81.4
10205	844	15.5	43.1	51.1	18.4	36.0	2.89	111.1	110.5	17.2	88.1
10206	903	15.5	42.8	47.4	17.2	36.2	3.79	105.5	87.7	19.1	61.4
10207	877	15.8	43.5	49.6	18.0	36.3	3.12	136.3	106.7	19.6	79.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	858.0	15.46	42.84	49.98	18.06	36.08	2.986	114.82	102.08	15.36	81.10
S.D.	31.0	0.29	0.63	1.62	0.54	0.16	0.579	21.20	9.79	4.57	12.55
Monocyte $10^2/\mu\text{L}$		Eosinophil $10^2/\mu\text{L}$	Basophil $10^2/\mu\text{L}$	PT sec	APTT sec						
Animal No.											
10202	3.1		0.8		16.6      17.1						
10203	3.2		1.2		16.1      17.7						
10205	3.4		1.7		15.8      18.5						
10206	5.8		1.3		15.3      16.9						
10207	5.4		1.9		17.7      18.8						
n	5		5		5      5						
Mean	4.18		1.38		16.30      17.80						
S.D.	1.31		0.43		0.05      0.91						

Hematological findings				Stage : Day 29				Species : Rat				
Sex : Male		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte
Animal No.		10 <sup>4</sup> /µL	g/dL	%	fL	pg	g/dL	%	10 <sup>4</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL
10301		804	14.7	41.1	51.1	18.3	35.8	3.20	116.2	97.5	13.5	80.0
10303		824	16.1	46.0	55.8	19.5	35.0	3.58	89.7	79.0	11.1	64.9
10305		836	15.9	45.0	53.8	19.0	35.3	2.45	100.6	92.5	20.6	66.4
10306		913	16.2	45.6	49.9	17.7	35.5	2.76	135.2	104.1	27.7	68.1
10309		853	15.3	42.4	49.7	17.9	36.1	3.36	100.5	73.8	26.1	43.1
n		5	5	5	5	5	5	5	5	5	5	5
Mean		846.0	15.64	44.02	52.06	18.48	35.54	3.070	108.44	89.38	19.80	64.50
S.D.		41.5	0.63	2.15	2.65	0.76	0.43	0.459	17.69	12.68	7.38	13.37
Monocyte		Eosinophil	Basophil	PT	APTT							
Animal No.		10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	sec	sec	sec	sec	sec	sec	sec	sec
10301		3.0	1.0	0.0	16.4	19.7						
10303		2.2	0.8	0.0	15.6	20.6						
10305		4.0	1.4	0.1	15.8	17.6						
10306		6.6	1.7	0.0	17.6	21.3						
10309		3.7	0.9	0.0	17.4	19.0						
n		5	5	5	5	5						
Mean		3.90	1.16	0.02	16.56	19.64						
S.D.		1.66	0.38	0.04	0.91	1.44						

Hematological findings				Stage : Day 29				Species : Rat				
Sex : Male		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte
Animal No.		10 <sup>4</sup> /µL	g/dL	%	fL	pg	g/dL	%	10 <sup>4</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL
10401		862	15.5	43.5	50.5	18.0	35.6	3.22	128.6	87.4	19.8	63.0
10402		735	14.5	41.3	56.2	19.7	35.1	3.41	7.7	74.0	11.6	60.3
10403		898	16.2	45.5	50.7	18.0	35.6	3.31	103.5	85.9	11.3	71.5
10404		816	14.5	40.0	49.0	17.8	36.3	3.70	120.4	93.4	29.8	57.1
10405		687	13.6	36.9	53.7	19.8	36.9	1.64	47.2	150.6	43.6	102.1
n		5	5	5	5	5	5	5	5	5	5	5
Mean		799.6	14.86	41.44	52.02	18.66	35.90	3.056	81.48	98.26	23.22	70.80
S.D.		87.6	1.01	3.30	2.89	1.00	0.70	0.812	52.05	30.09	13.67	18.30
Monocyte		Eosinophil	Basophil	PT	APTT							
Animal No.		10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	10 <sup>2</sup> /µL	sec	sec	sec	sec	sec	sec	sec	sec
10401		3.6	1.0	0.0	21.1	23.0						
10402		1.9	0.2	0.0	16.0	19.0						
10403		2.4	0.7	0.0	19.8	22.0						
10404		5.7	0.8	0.0	19.1	22.2						
10405		4.0	0.7	0.2	16.2	17.3						
n		5	5	5	5	5						
Mean		3.52	0.68	0.04	18.44	20.70						
S.D.		1.49	0.29	0.09	2.25	2.43						

Hematological findings Sex : Female				Stage : Day 14 after delivery Dose : Isooctane 0 mg/kg					Species : Rat		
	RBC 10 <sup>4</sup> /µL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10 <sup>4</sup> /µL	WBC 10 <sup>2</sup> /µL	Neutrophil 10 <sup>2</sup> /µL	Lymphocyte 10 <sup>2</sup> /µL
Animal No.											
50152	740	15.0	40.7	55.0	20.3	36.9	3.92	118.3	95.9	47.0	43.9
50153	739	14.6	40.2	54.4	19.8	36.3	4.14	87.1	113.9	48.5	58.2
50154	747	15.3	42.7	57.2	20.5	35.8	4.99	115.1	129.1	49.4	77.6
50157	793	15.0	41.2	52.0	18.9	36.4	3.11	108.3	102.3	53.9	46.5
50158	788	15.5	42.8	54.3	19.7	36.2	4.01	123.9	110.9	45.5	59.4
n	5	5	5	5	5	5	5	5	5	5	5
Mean	761.4	15.08	41.52	54.58	19.84	36.32	4.034	110.54	110.42	48.86	57.12
S.D.	26.8	0.34	1.18	1.86	0.62	0.40	0.669	14.26	12.63	3.18	13.35
<hr/>											
	Monocyte 10 <sup>2</sup> /µL	Eosinophil 10 <sup>2</sup> /µL	Basophil 10 <sup>2</sup> /µL	PT sec	APTT						
Animal No.											
50152	3.8	1.2	0.0	16.2	APTT						
50153	5.6	1.5	0.1	16.7	APTT						
50154	1.8	0.3	0.0	16.3	APTT						
50157	1.2	0.6	0.1	16.5	APTT						
50158	4.9	1.0	0.1	17.1	APTT						
n	5	5	5	5	APTT						
Mean	3.46	0.92	0.06	16.56	APTT						
S.D.	1.91	0.48	0.05	0.36	APTT						

Hematological findings Sex : Female			Stage : Day 14 after delivery Dose : Isooctane 30 mg/kg						Species : Rat		
Animal No.	RBC $10^4/\mu\text{L}$	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet $10^4/\mu\text{L}$	WBC $10^2/\mu\text{L}$	Neutrophil $10^2/\mu\text{L}$	Lymphocyte $10^2/\mu\text{L}$
50255	794	15.3	42.4	53.4	19.3	36.1	3.46	128.5	110.2	34.7	70.6
50256	769	14.8	40.6	52.8	19.2	36.5	4.11	120.6	88.8	30.1	53.0
50257	708	16.7	46.5	65.7	23.6	35.9	4.32	100.5	74.9	36.7	36.5
50259	756	14.9	41.8	55.3	19.7	35.6	4.24	117.4	96.4	49.2	42.8
50261	778	15.0	41.6	53.5	19.3	36.1	4.04	120.0	67.5	33.0	28.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	761.0	15.34	42.58	56.14	20.22	36.04	4.034	117.40	87.56	36.74	46.22
S.D.	32.7	0.78	2.29	5.43	1.90	0.33	0.339	10.32	16.99	7.37	16.36
Monocyte $10^2/\mu\text{L}$		Eosinophil $10^2/\mu\text{L}$	Basophil $10^2/\mu\text{L}$	PT sec	APTT sec						
Animal No.	10 <sup>2</sup> /μL	10 <sup>2</sup> /μL	10 <sup>2</sup> /μL	sec	sec						
50255	3.7	1.1	0.1	16.4	14.1						
50256	4.8	0.9	0.0	15.9	15.0						
50257	1.4	0.2	0.1	15.9	14.3						
50259	3.6	0.8	0.0	16.1	15.5						
50261	5.5	0.8	0.0	16.7	15.6						
n	5	5	5	5	5						
Mean	3.80	0.76	0.04	16.20	14.90						
S.D.	1.56	0.34	0.05	0.35	0.68						

Hematological findings Sex : Female			Stage : Day 14 after delivery Dose : Isooctane 100 mg/kg						Species : Rat		
	RBC $10^4/\mu\text{L}$	HGB g/dL	HCT %	MCV	MCH	MCHC g/dL	Reticulocyte %	Platelet $10^4/\mu\text{L}$	WBC $10^2/\mu\text{L}$	Neutrophil $10^2/\mu\text{L}$	Lymphocyte $10^2/\mu\text{L}$
Animal No.				fL	pg						
50353	719	15.3	43.6	60.6	21.3	35.1	4.09	91.9	109.0	32.5	70.9
50354	772	15.1	41.7	54.0	19.6	36.2	3.74	126.5	99.4	44.8	47.8
50355	704	14.9	43.1	61.2	21.2	34.6	3.92	107.6	141.3	43.4	92.9
50358	768	15.4	41.8	54.4	20.1	36.8	4.44	105.6	107.5	57.9	41.4
50360	784	15.4	42.9	54.7	19.6	35.9	4.36	137.2	96.1	53.3	39.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	749.4	15.22	42.62	56.98	20.36	35.72	4.110	113.76	110.66	46.38	58.44
S.D.	35.5	0.22	0.83	3.59	0.84	0.88	0.294	17.99	17.96	9.81	23.00
<hr/>											
Monocyte      Eosinophil      Basophil      PT      APTT											
Animal No.		$10^2/\mu\text{L}$	$10^2/\mu\text{L}$	$10^2/\mu\text{L}$	sec	sec					
50353		5.0	0.6	0.0	17.5	14.2					
50354		5.9	0.9	0.0	15.7	13.8					
50355		4.4	0.5	0.1	17.0	14.4					
50358		6.3	1.9	0.0	15.7	15.4					
50360		2.8	0.8	0.0	17.1	16.8					
n	5	5	5	5	5						
Mean	4.88	0.94	0.02	16.60	14.92						
S.D.	1.38	0.56	0.04	0.84	1.20						

Hematological findings Sex : Female			Stage : Day 14 after delivery Dose : Isooctane 300 mg/kg						Species : Rat		
	RBC 10 <sup>4</sup> /µL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10 <sup>4</sup> /µL	WBC 10 <sup>2</sup> /µL	Neutrophil 10 <sup>2</sup> /µL	Lymphocyte 10 <sup>2</sup> /µL
Animal No.											
50451	772	15.2	41.3	53.5	19.7	36.8	5.93	106.9	115.7	40.1	69.4
50452	759	15.7	44.4	58.5	20.7	35.4	5.11	131.9	101.4	37.1	59.5
50453	779	14.9	40.9	52.5	19.1	36.4	5.67	101.9	112.3	55.4	50.0
50457	770	15.9	44.7	58.1	20.6	35.6	4.77	112.6	94.8	45.4	44.0
50459	819	16.2	44.0	53.7	19.8	36.8	5.05	99.4	71.0	43.6	24.4
n	5	5	5	5	5	5	5	5	5	5	5
Mean	779.8	15.58	43.06	55.26	19.98	36.20	5.306	110.54	99.04	44.32	49.46
S.D.	23.1	0.53	1.81	2.82	0.67	0.66	0.478	12.97	17.77	6.97	17.00
<hr/>											
Monocyte 10 <sup>2</sup> /µL			Eosinophil 10 <sup>2</sup> /µL	Basophil 10 <sup>2</sup> /µL	PT sec	APTT sec					
Animal No.											
50451	5.4	0.8	0.0	16.7	13.7						
50452	3.9	0.8	0.1	15.5	15.4						
50453	5.4	1.5	0.0	17.3	14.2						
50457	4.7	0.7	0.0	16.2	15.2						
50459	2.0	1.0	0.0	15.8	17.0						
n	5	5	5	5	5						
Mean	4.28	0.96	0.02	16.30	15.10						
S.D.	1.42	0.32	0.04	0.72	1.27						

Animal No.	Hematological findings Sex : Female (satellite)			Stage : Day 29 Dose : Isooctane 0 mg/kg				Species : Rat			
	RBC $10^4/\mu\text{L}$	HGB g/dL	HCT %	MCV	MCH	MCHC	Reticulocyte %	Platelet $10^4/\mu\text{L}$	WBC $10^2/\mu\text{L}$	Neutrophil $10^2/\mu\text{L}$	Lymphocyte $10^2/\mu\text{L}$
50551	771	14.6	41.2	53.4	18.9	35.4	3.48	113.1	54.8	16.4	35.9
50552	794	15.0	41.0	51.6	18.9	36.6	3.22	103.7	70.7	10.5	57.4
50553	774	14.2	40.2	51.9	18.3	35.3	3.29	99.5	34.7	10.5	21.5
50554	876	15.4	42.7	48.7	17.6	36.1	1.90	95.6	69.0	7.6	58.3
50555	871	15.0	41.5	47.6	17.2	36.1	2.81	96.4	49.5	9.3	37.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	817.2	14.84	41.32	50.64	18.18	35.90	2.940	101.66	55.74	10.86	42.06
S.D.	52.2	0.46	0.91	2.40	0.77	0.54	0.631	7.14	14.85	3.32	15.68
<hr/>											
Monocyte $10^2/\mu\text{L}$		Eosinophil $10^2/\mu\text{L}$	Basophil $10^2/\mu\text{L}$	PT sec	APTT sec						
Animal No.	10 <sup>2</sup> /μL	10 <sup>2</sup> /μL	10 <sup>2</sup> /μL	sec	sec						
50551	1.4	1.1	0.0	16.4	13.7						
50552	1.4	1.4	0.0	15.7	14.8						
50553	2.4	0.3	0.0	14.4	14.8						
50554	2.0	1.1	0.0	15.8	15.1						
50555	1.9	1.1	0.0	16.1	13.2						
n	5	5	5	5	5						
Mean	1.82	1.00	0.00	15.68	14.32						
S.D.	0.43	0.41	0.00	0.77	0.82						

Hematological findings Sex : Female (satellite)				Stage : Day 29 Dose : Isooctane 300 mg/kg				Species : Rat			
Animal No.	RBC $10^4/\mu\text{L}$	HGB g/dL	HCT %	MCV	MCH	MCHC	Reticulocyte %	Platelet $10^4/\mu\text{L}$	WBC $10^2/\mu\text{L}$	Neutrophil $10^2/\mu\text{L}$	Lymphocyte $10^2/\mu\text{L}$
50651	766	14.1	38.9	50.8	18.4	36.2	2.18	80.1	11.3	2.4	8.5
50652	848	15.0	41.4	48.8	17.7	36.2	1.85	108.9	50.0	7.8	39.3
50653	805	14.3	40.0	49.7	17.8	35.8	3.46	94.1	12.6	3.2	9.0
50654	777	14.2	39.2	50.5	18.3	36.2	3.41	99.3	33.8	5.3	27.1
50655	774	14.3	40.2	51.9	18.5	35.6	2.92	103.6	17.9	4.7	12.5
n	5	5	5	5	5	5	5	5	5	5	5
Mean	794.0	14.38	39.94	50.34	18.14	36.00	2.764	97.20	25.12	4.68	19.28
S.D.	33.6	0.36	0.98	1.17	0.36	0.28	0.725	11.00	16.54	2.09	13.51
Monocyte $10^2/\mu\text{L}$		Eosinophil $10^2/\mu\text{L}$	Basophil $10^2/\mu\text{L}$	PT sec		APTT sec					
Animal No.	Monocyte $10^2/\mu\text{L}$		Eosinophil $10^2/\mu\text{L}$	PT sec		APTT sec					
50651	0.3		0.1		0.0		14.6      13.8				
50652	2.2		0.7		0.0		16.5      13.1				
50653	0.2		0.2		0.0		15.0      14.1				
50654	1.1		0.3		0.0		15.9      13.2				
50655	0.4		0.3		0.0		15.4      15.6				
n	5		5		5		5				
Mean	0.84		0.32		0.00		15.48      13.96				
S.D.	0.84		0.23		0.00		0.75      1.01				

Animal No.	Hematological findings			Stage : Recovery day 15					Species : Rat		
	Sex : Male			Dose : Isooctane 0 mg/kg							
	RBC 10 <sup>6</sup> /µL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10 <sup>6</sup> /µL	WBC 10 <sup>3</sup> /µL	Neutrophil 10 <sup>3</sup> /µL	Lymphocyte 10 <sup>3</sup> /µL
10106	888	15.3	41.8	47.1	17.2	36.6	2.75	103.3	65.0	15.1	47.0
10109	987	16.8	46.6	47.2	17.0	36.1	3.12	128.1	68.4	14.2	49.1
10110	901	15.3	42.6	47.3	17.0	35.9	2.29	116.3	71.7	18.7	46.8
10111	877	15.6	42.6	48.6	17.8	36.6	2.92	123.1	71.6	16.0	50.3
10112	827	15.8	44.0	53.2	19.1	35.9	3.27	115.0	66.3	11.1	49.5
n	5	5	5	5	5	5	5	5	5	5	5
Mean	896.0	15.76	43.52	48.68	17.62	36.22	2.870	117.16	68.60	15.02	48.54
S.D.	58.1	0.62	1.90	2.60	0.89	0.36	0.379	9.39	3.04	2.76	1.56
<hr/>											
Monocyte 10 <sup>3</sup> /µL			Eosinophil 10 <sup>3</sup> /µL	Basophil 10 <sup>3</sup> /µL	PT sec	APTT sec					
10106	2.0	0.9	0.0	17.0	19.1						
10109	3.8	1.3	0.0	23.9	23.6						
10110	4.6	1.6	0.0	19.5	23.0						
10111	4.5	0.8	0.0	18.5	13.4						
10112	4.7	1.0	0.0	16.3	19.4						
n	5	5	5	5	5						
Mean	3.92	1.12	0.00	19.04	19.70						
S.D.	1.13	0.33	0.00	2.99	4.07						

Hematological findings Sex : Male				Stage : Recovery day 15 Dose : Isooctane 300 mg/kg					Species : Rat		
Animal No.	RBC $10^4/\mu\text{L}$	HGB g/dL	HCT %	MCV	MCH	MCHC	Reticulocyte %	Platelet $10^4/\mu\text{L}$	WBC $10^2/\mu\text{L}$	Neutrophil $10^2/\mu\text{L}$	Lymphocyte $10^2/\mu\text{L}$
10406	885	15.8	42.2	47.7	17.9	37.4	3.24	123.2	77.9	16.1	57.6
10407	915	15.2	42.0	45.9	16.6	36.2	3.58	126.2	62.2	12.8	45.2
10408	832	15.6	42.6	51.2	18.8	36.6	3.80	128.8	73.5	8.6	60.3
10410	887	15.8	43.3	48.8	17.8	36.5	2.52	120.4	95.7	14.6	75.4
10411	918	16.6	45.1	49.1	18.1	36.8	2.81	129.4	77.2	18.5	54.9
n	5	5	5	5	5	5	5	5	5	5	5
Mean	887.4	15.80	43.04	48.54	17.84	36.70	3.190	125.60	77.30	14.12	58.68
S.D.	34.5	0.51	1.25	1.94	0.80	0.45	0.529	3.80	12.06	3.73	10.95
<hr/>											
Monocyte $10^2/\mu\text{L}$			Eosinophil $10^2/\mu\text{L}$	Basophil $10^2/\mu\text{L}$	PT sec	APTT sec	<hr/>				
Animal No.	10406	2.9	1.3	0.0	20.6	22.0	<hr/>				
10407	3.5	0.7	0.0	17.1	20.5	<hr/>					
10408	3.6	1.0	0.0	15.5	17.5	<hr/>					
10410	3.6	2.0	0.1	17.0	20.1	<hr/>					
10411	3.0	0.8	0.0	17.9	18.0	<hr/>					
n	5	5	5	5	5	<hr/>					
Mean	3.32	1.16	0.02	17.62	19.62	<hr/>					
S.D.	0.34	0.52	0.04	1.88	1.86	<hr/>					

Hematological findings Sex : Female (satellite)				Stage : Recovery day 15 Dose : Isooctane 0 mg/kg					Species : Rat		
Animal No.	RBC $10^4/\mu\text{L}$	HGB g/dL	HCT %	MCV	MCH	MCHC	Reticulocyte %	Platelet $10^4/\mu\text{L}$	WBC $10^2/\mu\text{L}$	Neutrophil $10^2/\mu\text{L}$	Lymphocyte $10^2/\mu\text{L}$
50556	803	14.5	39.9	49.7	18.1	36.3	1.93	124.7	43.4	8.7	31.8
50557	807	15.4	42.6	52.8	19.1	36.2	2.83	88.6	44.9	12.6	30.0
50558	849	15.4	43.1	50.8	18.1	35.7	2.44	102.3	80.5	7.8	70.3
50559	863	16.2	45.3	52.5	18.8	35.8	3.16	104.1	58.1	13.4	42.1
50560	767	14.5	40.1	52.3	18.9	36.2	3.69	92.2	42.3	13.4	26.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	817.8	15.20	42.20	51.62	18.60	36.04	2.810	102.38	53.84	11.18	40.18
S.D.	38.5	0.72	2.25	1.32	0.47	0.27	0.672	14.09	16.21	2.71	17.79
<hr/>											
Monocyte $10^2/\mu\text{L}$			Eosinophil $10^2/\mu\text{L}$	Basophil $10^2/\mu\text{L}$	PT sec	APTT sec	<hr/>				
Animal No.	10 <sup>2</sup> /μL	10 <sup>2</sup> /μL	10 <sup>2</sup> /μL	sec	sec	<hr/>					
50556	1.7	1.2	0.0	16.5	14.6	<hr/>					
50557	1.7	0.6	0.0	15.8	15.5	<hr/>					
50558	1.6	0.8	0.0	16.7	14.4	<hr/>					
50559	1.8	0.8	0.0	17.2	13.6	<hr/>					
50560	1.2	1.0	0.0	16.5	13.7	<hr/>					
n	5	5	5	5	5	<hr/>					
Mean	1.60	0.88	0.00	16.54	14.36	<hr/>					
S.D.	0.23	0.23	0.00	0.50	0.77	<hr/>					

Hematological findings Sex : Female (satellite)				Stage : Recovery day 15 Dose : Isooctane 300 mg/kg					Species : Rat		
Animal No.	RBC $10^4/\mu\text{L}$	HGB g/dL	HCT %	MCV	MCH	MCHC	Reticulocyte %	Platelet $10^4/\mu\text{L}$	WBC $10^2/\mu\text{L}$	Neutrophil $10^2/\mu\text{L}$	Lymphocyte $10^2/\mu\text{L}$
50656	858	15.6	42.9	50.0	18.2	36.4	3.15	120.8	43.6	6.4	34.9
50657	783	14.2	38.9	49.7	18.1	36.5	3.10	116.2	56.4	9.0	44.8
50658	910	16.0	44.6	49.0	17.6	35.9	3.24	126.7	45.8	7.1	36.4
50659	839	15.4	42.7	50.9	18.4	36.1	2.19	144.9	46.9	6.5	38.0
50660	842	15.4	42.9	51.0	18.3	35.9	3.00	119.6	54.4	8.1	44.8
n	5	5	5	5	5	5	5	5	5	5	5
Mean	846.4	15.32	42.40	50.12	18.12	36.16	2.936	125.64	49.42	7.42	39.78
S.D.	45.5	0.67	2.10	0.84	0.31	0.28	0.426	11.41	5.63	1.11	4.71
<hr/>											
Monocyte $10^2/\mu\text{L}$			Eosinophil $10^2/\mu\text{L}$	Basophil $10^2/\mu\text{L}$	PT sec	APTT sec	<hr/>				
Animal No.							<hr/>				
50656	1.6		0.7		0.0		<hr/>				
50657	1.3		1.3		0.0		<hr/>				
50658	1.8		0.5		0.0		<hr/>				
50659	1.7		0.7		0.0		<hr/>				
50660	1.1		0.4		0.0		<hr/>				
n	5		5		5		<hr/>				
Mean	1.50		0.72		0.00		<hr/>				
S.D.	0.29		0.35		0.00		<hr/>				
<hr/>											

Biochemical findings										Species : Rat													
Sex : Male		Stage : Day 29																					
		AST		ALT		ALP		γ-GTP		T-Bil		TBA		Glucose		T-Cho		TG		TP		UN	
Animal No.		IU/L	IU/L	IU/L	IU/L	IU/L	IU/L	mg/dL	μmol/L	mg/dL	μmol/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL	g/dL	mg/dL	g/dL	mg/dL	
10101		67	28	736	0.4	0.10	26.3	164	49	33	5.4	11.7											
10102		69	38	495	0.2	0.10	35.0	166	49	46	5.5	10.9											
10103		55	24	394	0.5	0.06	4.1	153	39	21	5.4	11.3											
10104		83	40	750	0.3	0.07	11.7	145	63	56	5.7	14.1											
10105		65	28	357	0.4	0.08	8.4	157	69	25	5.8	11.0											
n		5	5	5	5	5	5	5	5	5	5	5											
Mean		67.8	31.6	546.4	0.36	0.082	17.10	157.0	53.8	36.2	5.56	11.80											
S.D.		10.1	7.0	186.5	0.11	0.018	13.03	8.5	12.0	14.6	0.18	1.32											
		Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α1-G	α2-G											
Animal No.		mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%											
10101		0.30	143	4.81	106	9.3	6.4	1.03	2.74	50.7	18.5	8.7											
10102		0.31	144	4.64	107	9.1	6.1	1.08	2.85	51.9	21.2	8.2											
10103		0.34	146	4.71	109	9.0	5.7	0.91	2.57	47.6	22.4	9.6											
10104		0.29	147	4.55	107	9.9	6.4	0.91	2.71	47.6	23.1	9.7											
10105		0.29	145	4.80	106	9.9	6.5	0.92	2.77	47.8	22.1	9.1											
n		5	5	5	5	5	5	5	5	5	5	5											
Mean		0.306	145.0	4.702	107.0	9.44	6.22	0.970	2.728	49.12	21.46	9.06											
S.D.		0.021	1.6	0.110	1.2	0.43	0.33	0.080	0.103	2.04	1.79	0.63											
		β-G	γ-G																				
Animal No.		%	%																				
10101		16.4	5.7																				
10102		14.4	4.3																				
10103		16.0	4.4																				
10104		16.5	3.1																				
10105		16.3	4.7																				
n		5	5																				
Mean		15.92	4.44																				
S.D.		0.87	0.93																				

Biochemical findings										Species : Rat													
Sex : Male		Stage : Day 29																					
		AST		ALT		ALP		γ-GTP		T-Bil		TBA		Glucose		T-Cho		TG		TP		UN	
Animal No.		IU/L	IU/L	IU/L	IU/L	IU/L	IU/L	mg/dL	μmol/L	mg/dL	μmol/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL	g/dL	mg/dL	g/dL	mg/dL	
10202		58		28		703		0.5	0.08	5.7	174	46	58	5.4	174	46	58	5.4	15.2	5.4	15.2		
10203		53		23		336		0.6	0.06	4.4	158	40	22	5.1	158	40	22	5.1	11.8	5.1	11.8		
10205		60		25		338		0.5	0.06	4.7	134	59	9	5.5	134	59	9	5.5	11.8	5.5	11.8		
10206		53		22		436		0.6	0.06	8.8	133	53	33	5.1	133	53	33	5.1	13.1	5.1	13.1		
10207		66		29		431		0.5	0.06	10.1	133	59	55	5.4	133	59	55	5.4	13.2	5.4	13.2		
n		5		5		5		5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Mean		58.0		25.4		448.8		0.54	0.064	6.74	146.4	51.4	35.4	5.30	146.4	51.4	35.4	5.30	13.02	5.30	13.02		
S.D.		5.4		3.0		150.1		0.05	0.009	2.56	18.8	8.3	21.1	1.39	18.8	8.3	21.1	0.19	1.39	0.19	1.39		
		Crea	Na	K	Cl	Ca	IP	A/G		Albumin	Albumin	α1-G	α2-G										
Animal No.		mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL	g/dL		%	%	%	%										
10202		0.34	144	5.08	106	9.1	6.4	0.87	2.51	46.5	21.7	8.5											
10203		0.29	146	4.29	107	9.2	6.6	1.10	2.67	52.4	14.9	10.8											
10205		0.38	145	4.66	106	9.5	6.2	0.77	2.39	43.5	23.0	10.0											
10206		0.33	145	4.83	105	9.6	7.2	1.10	2.67	52.3	19.5	9.6											
10207		0.36	144	4.97	106	9.3	6.9	0.92	2.59	47.9	19.1	8.6											
n		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Mean		0.340	144.8	4.766	106.0	9.34	6.66	0.952	2.566	48.52	19.64	9.50											
S.D.		0.034	0.8	0.309	0.7	0.21	0.40	0.145	0.119	3.84	3.09	0.97											
		β-G	γ-G																				
Animal No.		%	%																				
10202		17.8	5.5																				
10203		16.7	5.2																				
10205		17.0	6.5																				
10206		15.0	3.6																				
10207		16.8	7.6																				
n		5	5																				
Mean		16.66	5.68																				
S.D.		1.02	1.50																				

Biochemical findings										Species : Rat														
Sex : Male		Stage : Day 29																						
		AST		ALT		ALP		γ-GTP		T-Bil		TBA		Glucose		T-Cho		TG		TP		UN		
Animal No.		IU/L	IU/L	IU/L	IU/L	IU/L	IU/L	mg/dL	μmol/L	mg/dL	μmol/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	mg/dL	g/dL	mg/dL	g/dL	mg/dL	g/dL	mg/dL	
10301		48		23		284		0.3	0.05	4.1		148		52		20	5.4		10.7					
10303		55		23		290		0.6	0.07	12.0		132		54		12	5.6		12.7					
10305		65		46		365		0.4	0.07	14.9		154		78		27	5.2		10.1					
10306		56		31		310		0.7	0.05	3.1		134		45		39	5.5		11.5					
10309		65		29		491		0.3	0.05	7.8		147		51		43	5.8		12.0					
n		5		5		5		5	5	5		5		5		5	5		5		5		5	
Mean		57.8		30.4		348.0		0.46	0.058	8.38		143.0		56.0		28.2	5.50		11.40					
S.D.		7.3		9.4		86.1		0.18	0.011	5.05		9.5		12.7		12.9	0.22		1.03					
		Crea	Na	K	Cl	Ca	IP	A/G		Albumin		Albumin		α1-G		α2-G								
Animal No.		mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL	g/dL		%		%		%		%								
10301		0.34		146		4.78		105	9.4	6.4		0.98		2.67		49.5		21.5		8.9				
10303		0.33		147		4.54		107	9.3	6.1		0.90		2.65		47.3		23.2		8.6				
10305		0.27		145		4.70		106	9.2	6.0		0.95		2.54		48.8		19.8		11.1				
10306		0.27		145		4.77		104	9.1	6.0		0.95		2.68		48.7		21.8		9.2				
10309		0.33		147		4.72		107	9.6	7.1		0.89		2.73		47.0		20.5		8.5				
n		5		5		5		5	5	5		5		5		5	5		5		5		5	
Mean		0.308		146.0		4.702		105.8	9.32	6.32		0.934		2.654		48.26		21.36		9.26				
S.D.		0.035		1.0		0.097		1.3	0.19	0.47		0.038		0.070		1.06		1.30		1.06				
		β-G	γ-G																					
Animal No.		%	%																					
10301		15.5	4.6																					
10303		16.1	4.8																					
10305		16.9	3.4																					
10306		14.1	6.2																					
10309		18.2	5.8																					
n		5	5																					
Mean		16.16	4.96																					
S.D.		1.53	1.10																					

Biochemical findings				Stage : Day 29				Species : Rat			
Sex : Male				Dose : Isooctane 300 mg/kg							
	AST	ALT	ALP	$\gamma$ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	IU/L	IU/L	mg/dL	$\mu$ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
10401	43	20	279	0.3	0.07	7.5	131	49	22	5.2	17.3
10402	42	20	254	0.5	0.07	4.5	146	59	49	5.5	12.4
10403	39	19	286	0.7	0.07	6.5	139	70	18	5.9	14.5
10404	42	20	581	0.8	0.05	7.5	137	73	63	6.2	12.5
10405	54	26	419	0.5	0.07	9.8	179	74	22	5.7	17.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	44.0	21.0	363.8	0.56	0.066	7.16	146.4	65.0	34.8	5.70	14.78
S.D.	5.8	2.8	137.4	0.19	0.009	1.92	19.0	10.7	20.0	0.38	2.41
	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	$\alpha$ 1-G	$\alpha$ 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL	g/dL	%	%	%	%
10401	0.30	145	4.66	105	9.2	6.6	0.92	2.50	48.0	19.3	11.1
10402	0.29	145	3.98	105	9.8	6.1	0.87	2.56	46.5	23.9	8.9
10403	0.27	145	5.20	105	9.3	6.1	0.85	2.71	46.0	22.0	10.2
10404	0.23	147	5.10	104	10.0	7.6	0.95	3.02	48.7	21.9	8.8
10405	0.33	145	4.42	106	10.1	7.2	0.83	2.59	45.4	21.1	10.0
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.284	145.4	4.672	105.0	9.68	6.72	0.884	2.676	46.92	21.64	9.80
S.D.	0.037	0.9	0.501	0.7	0.41	0.67	0.050	0.207	1.38	1.66	0.96
	$\beta$ -G	$\gamma$ -G									
Animal No.	%	%									
10401	16.5	5.1									
10402	17.2	3.5									
10403	16.3	5.5									
10404	15.8	4.8									
10405	18.9	4.6									
n	5	5									
Mean	16.94	4.70									
S.D.	1.21	0.75									

Biochemical findings										Species : Rat	
Sex : Female		Stage : Day 14 after delivery Dose : Isooctane 0 mg/kg									
Animal No.	AST	ALT	ALP	$\gamma$ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
	IU/L	IU/L	IU/L	IU/L	mg/dL	$\mu$ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
50152	108	70	428	0.3	0.05	30.4	138	119	45	5.8	20.7
50153	85	51	469	0.5	0.05	26.5	149	72	78	5.4	17.8
50154	119	54	397	0.5	0.06	13.3	118	94	45	5.9	24.8
50157	250	154	535	0.3	0.06	26.2	137	114	109	6.3	27.3
50158	95	64	383	0.9	0.05	15.0	127	102	132	5.7	22.4
n	5	5	5	5	5	5	5	5	5	5	5
Mean	131.4	78.6	442.4	0.50	0.054	22.28	133.8	100.2	81.8	5.82	22.60
S.D.	67.5	42.8	61.4	0.24	0.005	7.63	11.8	18.6	38.7	0.33	3.66
Crea      Na      K      Cl      Ca      IP      A/G      Albumin      Albumin $\alpha$ 1-G $\alpha$ 2-G											
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
	0.40	135	3.97	96	9.0	7.7	1.02	2.92	50.4	20.6	8.1
50152	0.42	136	4.08	100	8.7	7.9	0.90	2.56	47.4	21.1	9.7
50153	0.42	137	4.47	98	9.7	8.3	0.87	2.74	46.4	21.0	9.6
50154	0.45	137	4.30	98	9.7	8.0	0.89	2.96	47.0	20.1	12.2
50157	0.45	137	4.30	98	9.7	8.0	0.89	2.96	47.0	20.1	12.2
50158	0.43	138	4.75	99	9.7	8.5	0.84	2.60	45.7	21.9	10.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.424	136.6	4.314	98.2	9.36	8.08	0.904	2.756	47.38	20.94	9.94
S.D.	0.018	1.1	0.311	1.5	0.48	0.32	0.069	0.181	1.81	0.67	1.47
$\beta$ -G $\gamma$ -G											
Animal No.	%	%									
	17.1	3.8									
50152	17.0	4.8									
50153	17.5	5.5									
50154	16.4	4.3									
50157	17.6	4.7									
n	5	5									
Mean	17.12	4.62									
S.D.	0.48	0.63									

Biochemical findings										Species : Rat																			
Sex : Female										Stage : Day 14 after delivery																			
Animal No.	AST		ALT		ALP		γ-GTP		T-Bil		TBA		Glucose		T-Cho		TG		TP		UN								
	IU/L	IU/L	IU/L	IU/L	IU/L	IU/L	mg/dL	μmol/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	mg/dL	mg/dL	g/dL	mg/dL	g/dL	mg/dL	g/dL	mg/dL								
50255	96	55	227	0.6	0.06	10.8	129	116	47	5.3	22.7																		
50256	90	49	275	0.5	0.05	35.7	140	113	27	5.8	19.6																		
50257	125	63	420	0.5	0.06	53.2	123	120	71	6.1	22.1																		
50259	108	70	251	0.3	0.05	24.9	128	103	108	6.0	20.9																		
50261	102	65	256	0.3	0.05	27.0	122	78	42	5.4	23.6																		
n	5	5	5	5	5	5	5	5	5	5	5																		
Mean	104.2	60.4	285.8	0.44	0.054	30.32	128.4	106.0	59.0	5.72	21.78																		
S.D.	13.4	8.4	76.9	0.13	0.005	15.60	7.2	16.9	31.6	0.36	1.56																		
Crea										Na		K		Cl		Ca		IP		A/G		Albumin		Albumin		α1-G		α2-G	
Animal No.	mg/dL		mEq/L		mEq/L		mEq/L		mg/dL		mg/dL		g/dL		%		%		%		%								
	50255	0.42	137	4.70	100	9.0	6.9	0.91	2.52	47.6	17.7	14.1																	
50256	0.35	134	3.79	97	9.2	7.4	0.98	2.88	49.6	21.6	9.1																		
50257	0.45	130	4.56	92	10.0	10.4	0.92	2.92	47.8	21.3	10.2																		
50259	0.45	135	4.43	94	9.5	7.7	0.94	2.90	48.4	21.5	10.0																		
50261	0.37	134	4.31	97	9.1	6.5	0.85	2.48	46.0	19.9	11.7																		
n	5	5	5	5	5	5	5	5	5	5	5																		
Mean	0.408	134.0	4.358	96.0	9.36	7.78	0.920	2.740	47.88	20.40	11.02																		
S.D.	0.046	2.5	0.349	3.1	0.40	1.54	0.047	0.220	1.31	1.66	1.96																		
β-G										γ-G																			
Animal No.	%		%		%		%		%		%		%		%		%		%		%								
	50255	17.3	3.3																										
50256	15.7	4.0																											
50257	16.7	4.0																											
50259	17.1	3.0																											
50261	18.9	3.5																											
n	5	5																											
Mean	17.14	3.56																											
S.D.	1.16	0.44																											

Biochemical findings										Species : Rat		
Sex : Female		Stage : Day 14 after delivery Dose : Isooctane 100 mg/kg										
Animal No.	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN	
	IU/L	IU/L	IU/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL	
50353	73	44	273	0.5	0.06	9.8	144	82	87	5.6	17.2	
50354	119	71	559	1.1	0.05	13.6	157	90	76	6.0	22.4	
50355	116	59	305	0.4	0.09	105.6	124	108	48	5.5	22.6	
50358	100	49	287	0.9	0.04	29.4	126	98	88	6.0	21.0	
50360	115	62	442	2.2	0.06	24.2	124	113	80	6.1	22.8	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	104.6	57.0	373.2	1.02	0.060	36.52	135.0	98.2	75.8	5.84	21.20	
S.D.	19.1	10.7	123.9	0.72	0.019	39.41	14.9	12.7	16.3	0.27	2.35	
Crea      Na      K      Cl      Ca      IP      A/G      Albumin      Albumin      α1-G      α2-G												
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL	g/dL	%	%	%	%	
	0.41	136	4.01	100	8.9	5.8	0.92	2.68	47.9	19.8	9.7	
50353	0.40	132	4.82	93	10.1	9.5	0.86	2.78	46.3	22.9	10.0	
50354	0.42	136	4.67	102	9.0	6.3	0.95	2.67	48.6	19.1	11.8	
50355	0.43	133	3.55	93	9.4	9.6	0.91	2.86	47.6	20.8	10.2	
50360	0.39	134	4.42	96	9.4	8.4	0.86	2.82	46.3	23.3	8.4	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	0.410	134.2	4.294	96.8	9.36	7.92	0.900	2.762	47.34	21.18	10.02	
S.D.	0.016	1.8	0.517	4.1	0.47	1.78	0.039	0.084	1.02	1.86	1.22	
β-G      γ-G												
Animal No.	%	%										
	17.0	5.6										
50353	17.4	3.4										
50354	17.4	3.1										
50355	16.0	5.4										
50358	17.2	4.8										
n	5	5										
Mean	17.00	4.46										
S.D.	0.58	1.15										

Biochemical findings										Species : Rat	
Sex : Female		Stage : Day 14 after delivery Dose : Isooctane 300 mg/kg									
Animal No.	AST	ALT	ALP	$\gamma$ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
	IU/L	IU/L	IU/L	IU/L	mg/dL	$\mu$ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
50451	110	53	347	1.0	0.07	28.5	127	102	92	5.6	27.5
50452	98	55	303	1.0	0.05	37.6	143	105	31	5.8	22.0
50453	103	53	294	0.7	0.05	10.7	124	78	78	5.3	20.5
50457	118	70	444	0.7	0.04	40.6	126	86	102	6.0	23.6
50459	148	78	458	0.8	0.01	26.3	123	126	78	6.3	36.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	115.4	61.8	369.2	0.84	0.044	28.74	128.6	99.4	76.2	5.80	25.96
S.D.	19.7	11.5	77.5	0.15	0.022	11.73	8.2	18.6	27.2	0.38	6.29
Crea      Na      K      Cl      Ca      IP      A/G      Albumin      Albumin $\alpha$ 1-G $\alpha$ 2-G											
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
	0.39	129	4.13	91	9.2	9.2	0.93	2.70	48.3	22.5	9.3
50451	0.41	137	4.52	99	8.9	8.2	0.98	2.88	49.6	17.1	9.5
50452	0.39	134	3.85	96	9.0	8.6	0.96	2.60	49.1	16.0	11.7
50453	0.43	136	5.25	96	10.4	11.6	0.83	2.72	45.3	22.8	11.2
50457	0.48	131	5.19	92	10.1	11.9	0.96	3.08	48.9	23.2	9.5
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.420	133.4	4.588	94.8	9.52	9.90	0.932	2.796	48.24	20.32	10.24
S.D.	0.037	3.4	0.624	3.3	0.68	1.73	0.060	0.188	1.71	3.47	1.12
$\beta$ -G $\gamma$ -G											
Animal No.	%	%									
	15.8	4.1									
50451	18.3	5.5									
50452	18.9	4.3									
50453	17.3	3.4									
50457	16.4	2.0									
n	5	5									
Mean	17.34	3.86									
S.D.	1.29	1.29									

Biochemical findings Sex : Female (satellite)				Stage : Day 29 Dose : Isooctane 0 mg/kg					Species : Rat		
Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50551	55	26	309	0.7	0.07	14.0	152	52	9	5.7	15.2
50552	54	26	224	0.5	0.05	4.4	148	47	12	6.2	15.5
50553	140	52	235	1.0	0.07	16.1	136	89	12	7.1	13.9
50554	88	27	325	0.7	0.07	7.8	110	54	6	5.6	15.6
50555	72	34	219	0.8	0.08	16.1	155	55	9	5.9	15.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	81.8	33.0	262.4	0.74	0.068	11.68	140.2	59.4	9.6	6.10	15.16
S.D.	35.4	11.1	50.5	0.18	0.011	5.30	18.4	16.8	2.5	0.60	0.72
Crea				Na	K	Cl	Ca	IP	A/G	Albumin	Albumin
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL	mg/dL	g/dL	%	%	%
50551	0.38	143	4.16	106	9.4	5.1	1.18	3.08	54.1	18.6	8.2
50552	0.40	142	4.04	107	9.3	3.5	1.16	3.33	53.7	15.8	7.7
50553	0.32	143	4.00	107	9.9	5.0	1.24	3.93	55.3	17.4	8.1
50554	0.42	144	3.84	107	9.2	6.7	0.93	2.70	48.3	20.8	8.9
50555	0.42	145	4.37	109	9.6	5.5	1.05	3.03	51.3	18.5	9.5
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.388	143.4	4.082	107.2	9.48	5.16	1.112	3.214	52.54	18.22	8.48
S.D.	0.041	1.1	0.198	1.1	0.28	1.15	0.123	0.459	2.78	1.83	0.72
β-G				γ-G							
Animal No.	%	%	%								
50551	15.0	4.1									
50552	14.9	7.9									
50553	14.2	5.0									
50554	15.8	6.2									
50555	14.9	5.8									
n	5	5									
Mean	14.96	5.80									
S.D.	0.57	1.42									

Biochemical findings Sex : Female (satellite)				Stage : Day 29 Dose : Isooctane 300 mg/kg					Species : Rat		
Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50651	57	24	161	1.0	0.07	9.8	153	74	11	6.6	12.8
50652	77	34	173	1.2	0.06	12.2	116	50	9	5.6	17.5
50653	53	19	214	1.5	0.05	9.7	151	79	12	6.2	12.6
50654	47	22	193	0.7	0.08	18.6	123	57	11	6.1	19.0
50655	48	15	110	0.6	0.04	8.6	145	77	11	6.3	13.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	56.4	22.8	170.2	1.00	0.060	11.78	137.6	67.4	10.8	6.16	15.12
S.D.	12.2	7.1	39.2	0.37	0.016	4.03	17.0	13.0	1.1	0.36	2.94
Crea				Na	K	Cl	Ca	IP	A/G	Albumin	Albumin
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL	mg/dL	g/dL	%	%	%
50651	0.35	144	4.08	107	10.0	5.1	1.12	3.48	52.8	18.2	7.6
50652	0.41	144	3.94	107	9.1	6.5	1.13	2.97	53.1	19.0	8.1
50653	0.34	146	4.26	109	9.6	6.5	0.98	3.07	49.5	17.8	9.8
50654	0.35	143	5.09	107	9.9	6.2	0.98	3.01	49.4	17.4	9.5
50655	0.32	144	4.28	109	9.7	5.1	1.11	3.32	52.7	15.6	11.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.354	144.2	4.330	107.8	9.66	5.88	1.064	3.170	51.50	17.60	9.22
S.D.	0.034	1.1	0.447	1.1	0.35	0.72	0.077	0.220	1.88	1.26	1.40
β-G				γ-G							
Animal No.	%	%	%								
50651	14.9	6.5									
50652	14.4	5.4									
50653	17.1	5.8									
50654	16.1	7.6									
50655	16.4	4.2									
n	5	5									
Mean	15.78	5.90									
S.D.	1.11	1.26									



Biochemical findings										Species : Rat																																	
Sex : Male										Stage : Recovery day 15																																	
Animal No.	AST		ALT		ALP		$\gamma$ -GTP		T-Bil		TBA		Glucose		T-Cho		TG		TP		UN																						
	IU/L	IU/L	IU/L	IU/L	IU/L	IU/L	mg/dL	$\mu$ mol/L	mg/dL	mg/dL	mg/dL	mg/dL	mg/dL	mg/dL	g/dL	mg/dL	g/dL	mg/dL	g/dL	mg/dL	g/dL	mg/dL																					
10406	78	44	399	1.5	0.07	11.6	156	78	41	5.5	13.6																																
10407	42	19	313	0.6	0.04	25.0	151	88	36	6.2	17.3																																
10408	54	28	265	0.5	0.08	9.4	138	87	43	5.7	12.4																																
10410	52	27	289	0.5	0.03	5.5	127	83	40	5.6	16.7																																
10411	55	26	291	0.5	0.07	7.8	130	64	27	5.4	12.6																																
n	5	5	5	5	5	5	5	5	5	5	5									5	5																						
Mean	56.2	28.8	311.4	0.72	0.058	11.86	140.4	80.0	37.4	5.68	14.52																																
S.D.	13.2	9.2	51.8	0.44	0.022	7.68	12.7	9.8	6.3	0.31	2.32																																
										Crea			Na			K			Cl			Ca			IP			A/G			Albumin			Albumin			$\alpha$ 1-G			$\alpha$ 2-G			
Animal No.	mg/dL		mEq/L		mEq/L		mEq/L		mg/dL		mg/dL						g/dL		%		%		%																				
	10406	0.28	141	4.38	105	9.3	5.7	0.79	2.43	44.2	23.6	11.9																															
10407	0.26	143	4.68	102	9.7	6.6	0.81	2.78	44.8	26.8	7.6																																
10408	0.28	145	4.62	106	9.6	5.7	0.93	2.75	48.2	24.3	9.0																																
10410	0.33	143	4.46	104	9.1	6.8	0.71	2.32	41.5	28.3	8.7																																
10411	0.25	141	4.46	104	9.4	6.4	0.93	2.61	48.3	14.9	11.7																																
n	5	5	5	5	5	5	5	5	5	5	5	5																															
Mean	0.280	142.6	4.520	104.2	9.42	6.24	0.834	2.578	45.40	23.58	9.78																																
S.D.	0.031	1.7	0.125	1.5	0.24	0.51	0.095	0.200	2.88	5.21	1.92																																
										$\beta$ -G		$\gamma$ -G																															
Animal No.	%		%																																								
	10406	16.4	3.9																																								
10407	16.2	4.6																																									
10408	15.4	3.1																																									
10410	16.4	5.1																																									
10411	18.0	7.1																																									
n	5	5																																									
Mean	16.48	4.76																																									
S.D.	0.94	1.51																																									

Biochemical findings Sex : Female (satellite)		Stage : Recovery day 15 Dose : Isooctane 0 mg/kg								Species : Rat		
Animal No.		AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50556		98	49	195	2.0	0.07	21.5	114	74	10	6.3	18.5
50557		57	21	188	1.0	0.08	7.5	136	56	5	5.8	15.3
50558		69	33	205	0.6	0.10	12.1	124	58	7	6.2	17.2
50559		80	30	194	0.8	0.09	14.2	125	58	12	5.7	17.5
50560		70	38	209	0.7	0.10	23.4	149	83	11	7.0	14.6
n		5	5	5	5	5	5	5	5	5	5	5
Mean		74.8	34.2	198.2	1.02	0.088	15.74	129.6	65.8	9.0	6.20	16.62
S.D.		15.3	10.3	8.6	0.57	0.013	6.62	13.4	12.0	2.9	0.51	1.62
		Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G	α2-G
Animal No.												
50556		0.38	141	4.50	105	9.4	5.2	0.92	3.01	47.8	19.0	9.9
50557		0.33	140	3.82	105	9.4	5.7	1.02	2.93	50.6	18.3	9.8
50558		0.37	142	4.19	107	9.4	5.6	1.10	3.24	52.3	17.0	8.4
50559		0.31	142	4.56	106	9.6	5.8	0.99	2.84	49.8	17.9	9.9
50560		0.32	142	4.02	107	9.9	4.6	1.16	3.76	53.7	17.1	5.7
n		5	5	5	5	5	5	5	5	5	5	5
Mean		0.342	141.4	4.218	106.0	9.54	5.38	1.038	3.156	50.84	17.86	8.74
S.D.		0.031	0.9	0.314	1.0	0.22	0.49	0.094	0.369	2.27	0.84	1.81
		β-G	γ-G									
Animal No.		%	%									
50556		17.1	6.2									
50557		15.6	5.7									
50558		14.0	8.3									
50559		15.1	7.3									
50560		15.1	8.4									
n		5	5									
Mean		15.38	7.18									
S.D.		1.13	1.22									

Biochemical findings Sex : Female (satellite)		Stage : Recovery day 15 Dose : Isooctane 300 mg/kg								Species : Rat		
Animal No.		AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50656		82	30	187	0.8	0.10	20.8	138	57	9	6.4	14.3
50657		59	21	173	0.9	0.08	7.4	146	70	22	6.1	19.0
50658		54	19	142	1.1	0.12	24.8	136	87	8	6.3	12.9
50659		52	19	173	1.3	0.09	10.9	124	56	12	5.8	14.3
50660		63	27	127	0.9	0.08	19.7	118	84	14	6.1	14.6
n		5	5	5	5	5	5	5	5	5	5	5
Mean		62.0	23.2	160.4	1.00	0.094	16.72	132.4	70.8	13.0	6.14	15.02
S.D.		12.0	5.0	24.9	0.20	0.017	7.27	11.3	14.5	5.6	0.23	2.32
		Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G	α2-G
Animal No.												
50656		0.32	144	3.91	107	9.5	4.6	0.95	3.12	48.7	20.2	8.8
50657		0.36	142	4.69	108	9.5	4.5	1.09	3.18	52.2	17.5	7.8
50658		0.32	143	4.26	105	9.7	5.5	1.10	3.29	52.3	19.3	8.0
50659		0.31	143	4.41	107	9.3	5.8	0.96	2.85	49.1	17.3	9.7
50660		0.38	143	4.34	107	9.5	5.7	1.00	3.05	50.0	16.2	8.6
n		5	5	5	5	5	5	5	5	5	5	5
Mean		0.338	143.0	4.322	106.8	9.50	5.22	1.020	3.098	50.46	18.10	8.58
S.D.		0.030	0.7	0.282	1.1	0.14	0.62	0.071	0.164	1.70	1.62	0.75
		β-G	γ-G									
Animal No.		%	%									
50656		15.0	7.3									
50657		15.8	6.7									
50658		14.1	6.3									
50659		17.0	6.9									
50660		17.4	7.8									
n		5	5									
Mean		15.86	7.00									
S.D.		1.37	0.57									

Serum T4 concentration		Stage : Day 29	Species : Rat	
Sex : Male	T4	Dose : Isooctane 0 mg/kg		
Animal No.	ng/mL			
10101	52.3			
10102	40.9			
10103	50.8			
10104	50.5			
10105	52.3			
10107	55.5			
10108	42.4			
n	7			
Mean	49.24			
S.D.	5.45			

Serum T4 concentration		Stage : Day 29	Species : Rat	
Sex : Male	T4	Dose : Isooctane 30 mg/kg		
Animal No.	ng/mL			
10201	53.4			
10202	52.7			
10203	48.6			
10204	48.8			
10205	47.2			
10206	38.8			
10207	47.5			
10208	51.1			
10209	54.0			
10210	53.2			
10211	44.8			
10212	55.8			
n	12			
Mean	49.66			
S.D.	4.75			

Serum T4 concentration		Stage : Day 29	Species : Rat	
Sex : Male	T4	Dose : Isooctane 100 mg/kg		
Animal No.	ng/mL			
10301	49.9			
10302	54.0			
10303	46.8			
10304	41.7			
10305	41.7			
10306	52.4			
10307	50.4			
10308	55.1			
10309	51.1			
10310	52.7			
10311	51.2			
10312	53.4			
n	12			
Mean	50.03			
S.D.	4.45			

Serum T4 concentration Sex : Male	Stage : Day 29 Dose : Isooctane 300 mg/kg	Species : Rat
T4		
Animal No.		ng/mL
10401		52.0
10402		41.0
10403		38.6
10404		44.3
10405		48.4
10409		57.8
10412		50.3
n		7
Mean		47.49
S.D.		6.67

Necropsy findings			
Sex : Male		Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10101	
Finding absent :	Spleen, Other organs & tissues		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10102	
Finding absent :	Spleen, Other organs & tissues		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10103	
Finding absent :	Spleen, Other organs & tissues		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10104	
Finding absent :	Spleen, Other organs & tissues		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10105	
Finding absent :	Spleen, Other organs & tissues		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10107	
Finding absent :	Spleen, Other organs & tissues		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10108	
Finding absent :	Spleen, Other organs & tissues		

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10201		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10202		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10203		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10204		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10205		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10206		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10207		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10208		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10209		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10210		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10211		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10212		
Finding absent :	Spleen, Other organs & tissues			

Necropsy findings		Sex : Male	Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10301		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10302		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10303		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10304		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10305		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10306		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10307		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10308		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10309	Infertility	
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10310		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10311		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10312		
Finding absent :	Spleen, Other organs & tissues			

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10401		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10402		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10403		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10404		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10405		
Spleen				
Findings :	Finding present			
Large size				
Non-graded change				
Finding absent :	Other organs & tissues			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10409		
Finding absent :	Spleen, Other organs & tissues			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10412		
Finding absent :	Spleen, Other organs & tissues			

Necropsy findings			Stage : Day 14 after delivery	Species : Rat
Sex : Female				
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50151		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50152		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50153		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50154		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50155		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50156		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50157		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50158		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50159 <sup>a</sup>	Died on gestation day 22	
Finding absent :	All organs & tissues			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50160		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50161		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50162		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			

a : One placenta was stagnated in the uterus and total number of implantations was 19.

Necropsy findings			Stage : Day 14 after delivery	Species : Rat
Sex : Female				
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50251		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50252		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50253 <sup>a</sup>	Euthanized on gestation day 26	
Finding absent :	All organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50254		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50255		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50256		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50257		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50258		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50259		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50260 <sup>b</sup>	Euthanized on gestation day 22	
Finding absent :	All organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50261		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			

a : Two placentae and 2 dead fetuses were stagnated in the uterus and total number of implantations was 2.

b : Eleven placentae and 3 live fetuses were stagnated in the uterus and total number of implantations was 16.

Necropsy findings			Stage : Day 14 after delivery	Species : Rat
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50262		
Thoracic skin				
Findings : Finding present				
Mass, subcutaneous				
Non-graded change				
Finding Comment : right, 20 x 15 x 15 mm				
Finding absent :	Other organs & tissues			
Estrous cycle :	Diestrus			

Necropsy findings			Stage : Day 14 after delivery	Species : Rat
Sex : Female				
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50351		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50352		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50353		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50354		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50355		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50356		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50357		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50358		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50359	Non-pregnancy	
Finding absent :	All organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50360		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50361		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50362		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			

Necropsy findings			Stage : Day 14 after delivery	Species : Rat
Sex : Female				
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50451		
Thoracic skin				
Findings : Finding present				
Mass, subcutaneous				
Non-graded change				
Finding Comment : right, 20 x 15 x 13 mm				
Finding absent :	Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50452		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50453		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50454		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50455		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50456		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50457		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50458		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50459		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50460		
Finding absent :	Thoracic skin, Other organs & tissues			
Estrous cycle :	Diestrus			

Necropsy findings			
Sex : Female		Stage : Day 14 after delivery	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50461	
Finding absent :	Thoracic skin, Other organs & tissues		
Estrous cycle :	Diestrus		
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50462	
Finding absent :	Thoracic skin, Other organs & tissues		
Estrous cycle :	Diestrus		

Necropsy findings			Stage : Day 29	Species : Rat
Test article :	Dose :	Animal No.:		
Isooctane	0 mg/kg	50551		
Finding absent :	All organs & tissues			
Estrous cycle :	Estrus			
Isooctane	0 mg/kg	50552		
Finding absent :	All organs & tissues			
Estrous cycle :	Diestrus			
Isooctane	0 mg/kg	50553		
Finding absent :	All organs & tissues			
Estrous cycle :	Estrus			
Isooctane	0 mg/kg	50554		
Finding absent :	All organs & tissues			
Estrous cycle :	Metestrus			
Isooctane	0 mg/kg	50555		
Finding absent :	All organs & tissues			
Estrous cycle :	Estrus			

Necropsy findings			Stage : Day 29	Species : Rat
Test article :	Dose :	Animal No.:		
Isooctane	300 mg/kg	50651		
Finding absent :	All organs & tissues			
Estrous cycle :	Estrus			
Isooctane	300 mg/kg	50652		
Finding absent :	All organs & tissues			
Estrous cycle :	Metestrus			
Isooctane	300 mg/kg	50653		
Finding absent :	All organs & tissues			
Estrous cycle :	Estrus			
Isooctane	300 mg/kg	50654		
Finding absent :	All organs & tissues			
Estrous cycle :	Metestrus			
Isooctane	300 mg/kg	50655		
Finding absent :	All organs & tissues			
Estrous cycle :	Estrus			

Necropsy findings			
Sex : Male		Stage : Recovery day 15	Species : Rat
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10106	
Finding absent :	All organs & tissues		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10109	
Finding absent :	All organs & tissues		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10110	
Finding absent :	All organs & tissues		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10111	
Finding absent :	All organs & tissues		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10112	
Finding absent :	All organs & tissues		

Necropsy findings			
Sex : Male		Stage : Recovery day 15	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10406	
Finding absent :	All organs & tissues		
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10407	
Finding absent :	All organs & tissues		
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10408	
Finding absent :	All organs & tissues		
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10410	
Finding absent :	All organs & tissues		
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10411	
Finding absent :	All organs & tissues		

Necropsy findings			Stage : Recovery day 15	Species : Rat
Sex : Female (satellite)				
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50556		
Finding absent :	All organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50557		
Finding absent :	All organs & tissues			
Estrous cycle :	Estrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50558		
Finding absent :	All organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50559		
Finding absent :	All organs & tissues			
Estrous cycle :	Proestrus			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50560		
Finding absent :	All organs & tissues			
Estrous cycle :	Proestrus			

Necropsy findings				
Sex : Female (satellite)			Stage : Recovery day 15	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50656		
Finding absent :	All organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50657		
Finding absent :	All organs & tissues			
Estrous cycle :	Estrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50658		
Finding absent :	All organs & tissues			
Estrous cycle :	Proestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50659		
Finding absent :	All organs & tissues			
Estrous cycle :	Diestrus			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50660		
Finding absent :	All organs & tissues			
Estrous cycle :	Estrus			

Organ weight Sex : Male		Stage : Day 29 Dose : Isooctane 0 mg/kg						Species : Rat		
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen		
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g	
10101	559	13.29	2.38	3.13	0.56	1.45	0.26	823	147.23	
10102	483	11.68	2.42	2.78	0.58	1.35	0.28	684	141.61	
10103	451	11.67	2.59	2.94	0.65	1.62	0.36	689	152.77	
10104	515	13.63	2.65	2.92	0.57	1.51	0.29	747	145.05	
10105	559	15.30	2.74	3.19	0.57	1.50	0.27	908	162.43	
10107	570	15.56	2.73	3.80	0.67	1.82	0.32	913	160.18	
10108	471	13.00	2.76	3.52	0.75	1.52	0.32	1077	228.66	
n	7	7	7	7	7	7	7	7	7	
Mean	515.4	13.447	2.610	3.183	0.621	1.539	0.300	834.4	162.561	
S.D.	48.2	1.551	0.155	0.362	0.071	0.148	0.035	142.6	30.142	
Thymus		Adrenal		Pituitary gland		Thyroid		Testis		
Animal No.	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB g	RE g/100g
10101	395	70.66	49	8.77	8.9	1.59	28.2	5.04	3.72	0.67
10102	358	74.12	56	11.59	11.1	2.30	17.4	3.60	3.00	0.62
10103	312	69.18	55	12.20	14.1	3.13	25.0	5.54	3.20	0.71
10104	376	73.01	71	13.79	13.5	2.62	27.5	5.34	3.08	0.60
10105	562	100.54	70	12.52	13.5	2.42	34.0	6.08	2.97	0.53
10107	607	106.49	55	9.65	15.4	2.70	32.5	5.70	3.37	0.59
10108	311	66.03	57	12.10	14.4	3.06	35.3	7.49	3.50	0.74
n	7	7	7	7	7	7	7	7	7	7
Mean	417.3	80.004	59.0	11.517	12.99	2.546	28.56	5.541	3.263	0.637
S.D.	119.0	16.363	8.3	1.733	2.23	0.520	6.18	1.167	0.280	0.073
Epididymis		Prostate		Seminal vesicle		Brain				
Animal No.	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g
10101	1.38	0.25	721	128.98	2.03	0.36	2.22	0.40		
10102	1.42	0.29	655	135.61	2.10	0.43	2.08	0.43		
10103	1.27	0.28	594	131.71	1.97	0.44	2.32	0.51		
10104	1.23	0.24	669	129.90	2.34	0.45	2.13	0.41		
10105	1.46	0.26	564	100.89	2.69	0.48	2.30	0.41		
10107	1.32	0.23	878	154.04	1.89	0.33	2.25	0.39		
10108	1.50	0.32	845	179.41	3.25	0.69	2.24	0.48		
n	7	7	7	7	7	7	7	7		
Mean	1.369	0.267	703.7	137.220	2.324	0.454	2.220	0.433		
S.D.	0.100	0.031	119.6	24.280	0.490	0.116	0.087	0.045		

AB : Absolute weight, RE : Relative weight by body weight

Animal No.	Organ weight Sex : Male		Stage : Day 29 Dose : Isooctane 30 mg/kg						Species : Rat	
	Body weight g	Liver	Kidney			Heart		Spleen		
			AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10201	505	12.66	2.51	3.35	0.66	1.48	0.29	786	155.64	
10202	554	15.12	2.73	3.90	0.70	1.55	0.28	760	137.18	
10203	530	13.02	2.46	3.42	0.65	1.46	0.28	796	150.19	
10204	489	14.85	3.04	3.92	0.80	1.43	0.29	792	161.96	
10205	549	13.35	2.43	3.09	0.56	1.57	0.29	780	142.08	
10206	548	14.17	2.59	3.43	0.63	1.56	0.28	690	125.91	
10207	469	11.44	2.44	2.64	0.56	1.37	0.29	718	153.09	
10208	529	14.17	2.68	3.43	0.65	1.60	0.30	577	109.07	
10209	471	12.63	2.68	4.53	0.96	1.37	0.29	792	168.15	
10210	444	10.66	2.40	2.95	0.66	1.39	0.31	664	149.55	
10211	532	13.67	2.57	3.61	0.68	1.99	0.37	732	137.59	
10212	444	11.77	2.65	3.50	0.79	1.49	0.34	717	161.49	
n	12	12	12	12	12	12	12	12	12	12
Mean	505.3	13.126	2.598	3.481	0.692	1.522	0.301	733.7	145.992	
S.D.	40.7	1.372	0.178	0.491	0.112	0.167	0.027	66.1	16.760	

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB g	RE g/100g
10201	454	89.90	66	13.07	12.3	2.44	23.7	4.69	3.43	0.68
10202	422	76.17	50	9.03	13.2	2.38	34.4	6.21	3.29	0.59
10203	307	57.92	83	15.66	13.4	2.53	29.3	5.53	3.05	0.58
10204	364	74.44	74	15.13	11.4	2.33	22.0	4.50	3.33	0.68
10205	416	75.77	63	11.48	12.0	2.19	22.2	4.04	3.27	0.60
10206	300	54.74	59	10.77	13.8	2.52	21.7	3.96	3.72	0.68
10207	439	93.60	58	12.37	13.5	2.88	22.1	4.71	2.79	0.59
10208	371	70.13	60	11.34	14.5	2.74	26.7	5.05	3.46	0.65
10209	382	81.10	65	13.80	11.3	2.40	31.0	6.58	3.29	0.70
10210	233	52.48	63	14.19	11.7	2.64	19.5	4.39	3.18	0.72
10211	260	48.87	77	14.47	14.0	2.63	22.3	4.19	3.39	0.64
10212	391	88.06	61	13.74	12.6	2.84	25.6	5.77	3.39	0.76
n	12	12	12	12	12	12	12	12	12	12
Mean	361.6	71.932	64.9	12.921	12.81	2.543	25.04	4.968	3.299	0.656
S.D.	71.4	15.317	9.1	1.966	1.07	0.210	4.49	0.868	0.228	0.058

AB : Absolute weight, RE : Relative weight by body weight

Animal No.	Organ weight Sex : Male		Stage : Day 29 Dose : Isooctane 30 mg/kg				Species : Rat	
	Epididymis		Prostate		Seminal vesicle		Brain	
	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE g/100g	AB g	RE g/100g
10201	1.61	0.32	921	182.38	2.91	0.58	2.16	0.43
10202	1.54	0.28	683	123.29	2.55	0.46	2.18	0.39
10203	1.30	0.25	804	151.70	2.50	0.47	2.34	0.44
10204	1.35	0.28	711	145.40	2.31	0.47	2.17	0.44
10205	1.46	0.27	820	149.36	2.21	0.40	2.22	0.40
10206	1.49	0.27	757	138.14	2.74	0.50	2.24	0.41
10207	1.31	0.28	601	128.14	2.34	0.50	1.98	0.42
10208	1.43	0.27	1037	196.03	2.50	0.47	2.34	0.44
10209	1.26	0.27	518	109.98	2.67	0.57	2.11	0.45
10210	1.40	0.32	729	164.19	2.96	0.67	2.09	0.47
10211	1.28	0.24	986	185.34	2.93	0.55	2.29	0.43
10212	1.41	0.32	916	206.31	2.85	0.64	2.16	0.49
n	12	12	12	12	12	12	12	12
Mean	1.403	0.281	790.3	156.688	2.623	0.523	2.190	0.434
S.D.	0.109	0.026	155.4	30.465	0.260	0.080	0.105	0.028

AB : Absolute weight, RE : Relative weight by body weight

Animal No.	Sex : Male Body weight g	Stage : Day 29 Dose : Isooctane 100 mg/kg								Species : Rat	
		Liver		Kidney		Heart		Spleen			
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g		
10301	450	13.01	2.89	3.04	0.68	1.31	0.29	703	156.22		
10302	470	11.98	2.55	3.35	0.71	1.39	0.30	695	147.87		
10303	455	11.97	2.63	2.75	0.60	1.28	0.28	745	163.74		
10304	517	16.45	3.18	5.39	1.04	1.46	0.28	735	142.17		
10305	543	14.77	2.72	3.88	0.71	1.75	0.32	765	140.88		
10306	469	11.93	2.54	3.66	0.78	1.56	0.33	684	145.84		
10307	491	14.38	2.93	3.89	0.79	1.58	0.32	750	152.75		
10308	520	15.25	2.93	4.35	0.84	1.51	0.29	865	166.35		
10309	516	14.55	2.82	3.55	0.69	1.51	0.29	702	136.05		
10310	490	14.23	2.90	2.98	0.61	1.41	0.29	676	137.96		
10311	554	14.47	2.61	3.95	0.71	1.69	0.31	957	172.74		
10312	522	16.71	3.20	3.78	0.72	1.29	0.25	833	159.58		
n		12	12	12	12	12	12	12	12		
Mean		499.8	14.142	2.825	3.714	0.740	1.478	0.296	759.2	151.846	
S.D.		34.1	1.636	0.224	0.702	0.117	0.152	0.022	85.2	11.971	

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB g	RE g/100g
10301	360	80.00	51	11.33	11.4	2.53	27.0	6.00	2.43	0.54
10302	284	60.43	70	14.89	12.6	2.68	26.9	5.72	3.17	0.67
10303	309	67.91	57	12.53	10.7	2.35	19.5	4.29	3.02	0.66
10304	206	39.85	65	12.57	11.1	2.15	19.0	3.68	3.12	0.60
10305	324	59.67	57	10.50	17.4	3.20	19.5	3.59	2.86	0.53
10306	330	70.36	69	14.71	10.7	2.28	21.8	4.65	2.98	0.64
10307	477	97.15	72	14.66	10.8	2.20	21.0	4.28	3.32	0.68
10308	341	65.58	70	13.46	15.0	2.88	23.1	4.44	3.92	0.75
10309	321	62.21	67	12.98	13.7	2.66	30.8	5.97	3.39	0.66
10310	269	54.90	58	11.84	12.4	2.53	14.6	2.98	3.16	0.64
10311	380	68.59	73	13.18	14.6	2.64	24.3	4.39	3.36	0.61
10312	322	61.69	68	13.03	13.2	2.53	25.7	4.92	3.20	0.61
n		12	12	12	12	12	12	12	12	12
Mean		326.9	65.695	64.8	12.973	12.80	2.553	22.77	4.576	3.161
S.D.		65.3	13.836	7.2	1.358	2.09	0.296	4.44	0.951	0.353

AB : Absolute weight, RE : Relative weight by body weight

Animal No.	Organ weight Sex : Male		Stage : Day 29 Dose : Isooctane 100 mg/kg				Species : Rat	
	Epididymis		Prostate		Seminal vesicle		Brain	
	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE g/100g	AB g	RE g/100g
10301	1.20	0.27	767	170.44	2.31	0.51	2.19	0.49
10302	1.19	0.25	680	144.68	2.95	0.63	2.10	0.45
10303	1.30	0.29	692	152.09	1.98	0.44	2.17	0.48
10304	1.30	0.25	627	121.28	2.72	0.53	2.04	0.39
10305	1.22	0.22	857	157.83	2.81	0.52	2.09	0.38
10306	1.20	0.26	753	160.55	2.26	0.48	2.03	0.43
10307	1.38	0.28	744	151.53	2.42	0.49	2.19	0.45
10308	1.53	0.29	963	185.19	2.49	0.48	2.25	0.43
10309	1.37	0.27	810	156.98	2.37	0.46	2.33	0.45
10310	1.28	0.26	654	133.47	2.54	0.52	2.19	0.45
10311	1.50	0.27	779	140.61	2.75	0.50	2.31	0.42
10312	1.31	0.25	1000	191.57	2.37	0.45	2.37	0.45
n	12	12	12	12	12	12	12	12
Mean	1.315	0.263	777.2	155.518	2.498	0.501	2.188	0.439
S.D.	0.113	0.020	115.9	20.139	0.272	0.050	0.111	0.032

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Male		Stage : Day 29 Dose : Isooctane 300 mg/kg						Species : Rat		
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen		
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g	
10401	401	12.25	3.05	3.24	0.81	1.17	0.29	590	147.13	
10402	497	15.29	3.08	3.67	0.74	1.38	0.28	562	113.08	
10403	411	13.33	3.24	3.82	0.93	1.21	0.29	626	152.31	
10404	440	16.02	3.64	3.58	0.81	1.47	0.33	591	134.32	
10405	400	14.91	3.73	3.75	0.94	1.10	0.28	1846	461.50	
10409	492	16.59	3.37	3.93	0.80	1.56	0.32	790	160.57	
10412	497	16.52	3.32	4.09	0.82	1.60	0.32	755	151.91	
n	7	7	7	7	7	7	7	7	7	
Mean	448.3	14.987	3.347	3.726	0.836	1.356	0.301	822.9	188.689	
S.D.	46.0	1.649	0.260	0.272	0.073	0.198	0.021	459.6	121.307	
Thymus		Adrenal		Pituitary gland		Thyroid		Testis		
Animal No.	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB g	RE g/100g
10401	125	31.17	50	12.47	11.4	2.84	20.6	5.14	3.15	0.79
10402	290	58.35	79	15.90	13.1	2.64	25.4	5.11	3.89	0.78
10403	218	53.04	55	13.38	11.4	2.77	19.7	4.79	3.22	0.78
10404	143	32.50	58	13.18	11.9	2.70	26.7	6.07	3.60	0.82
10405	209	52.25	58	14.50	12.4	3.10	21.6	5.40	3.45	0.86
10409	303	61.59	77	15.65	10.8	2.20	25.7	5.22	3.23	0.66
10412	218	43.86	75	15.09	12.3	2.47	48.9	9.84	4.24	0.85
n	7	7	7	7	7	7	7	7	7	7
Mean	215.1	47.537	64.6	14.310	11.90	2.674	26.94	5.939	3.540	0.791
S.D.	66.7	12.072	12.0	1.323	0.77	0.285	10.06	1.765	0.403	0.066
Epididymis		Prostate		Seminal vesicle		Brain				
Animal No.	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g
10401	1.22	0.30	1056	263.34	2.48	0.62	1.93	0.48		
10402	1.41	0.28	565	113.68	2.56	0.52	2.10	0.42		
10403	1.32	0.32	615	149.64	2.50	0.61	2.07	0.50		
10404	1.29	0.29	571	129.77	2.13	0.48	2.14	0.49		
10405	1.25	0.31	593	148.25	2.50	0.63	2.11	0.53		
10409	1.28	0.26	685	139.23	2.23	0.45	2.04	0.41		
10412	1.44	0.29	793	159.56	2.45	0.49	2.23	0.45		
n	7	7	7	7	7	7	7	7		
Mean	1.316	0.293	696.9	157.639	2.407	0.543	2.089	0.469		
S.D.	0.081	0.020	177.5	48.950	0.161	0.075	0.092	0.044		

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female		Stage : Day 14 after delivery Dose : Isooctane 0 mg/kg						Species : Rat		
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen		
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g	
50151	331	11.30	3.41	2.31	0.70	1.00	0.30	434	131.12	
50152	323	11.03	3.41	2.07	0.64	1.00	0.31	509	157.59	
50153	323	10.46	3.24	1.92	0.59	1.05	0.33	492	152.32	
50154	312	11.02	3.53	2.28	0.73	1.11	0.36	754	241.67	
50155	334	12.21	3.66	2.35	0.70	1.10	0.33	665	199.10	
50156	364	12.29	3.38	2.65	0.73	1.22	0.34	622	170.88	
50157	310	10.64	3.43	2.16	0.70	1.02	0.33	481	155.16	
50158	348	11.64	3.34	2.30	0.66	1.30	0.37	579	166.38	
50160	349	12.12	3.47	2.17	0.62	1.13	0.32	575	164.76	
50161	288	9.80	3.40	1.94	0.67	0.93	0.32	477	165.63	
50162	308	9.89	3.21	2.08	0.68	1.04	0.34	507	164.61	
n	11	11	11	11	11	11	11	11	11	
Mean	326.4	11.127	3.407	2.203	0.675	1.082	0.332	554.1	169.929	
S.D.	21.9	0.883	0.125	0.208	0.044	0.106	0.020	95.8	28.760	
Thymus		Adrenal		Pituitary gland		Thyroid		Ovary		
Animal No.	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	
									mg/100g	
50151	179	54.08	73	22.05	18.3	5.53	19.9	6.01	118	35.65
50152	209	64.71	61	18.89	14.0	4.33	20.7	6.41	126	39.01
50153	147	45.51	79	24.46	14.3	4.43	21.7	6.72	95	29.41
50154	164	52.56	89	28.53	19.4	6.22	17.2	5.51	112	35.90
50155	256	76.65	73	21.86	18.5	5.54	25.4	7.60	118	35.33
50156	236	64.84	76	20.88	15.7	4.31	21.3	5.85	96	26.37
50157	157	50.65	78	25.16	13.7	4.42	17.4	5.61	84	27.10
50158	343	98.56	73	20.98	16.4	4.71	21.2	6.09	92	26.44
50160	260	74.50	87	24.93	15.0	4.30	19.1	5.47	105	30.09
50161	173	60.07	77	26.74	11.7	4.06	17.6	6.11	113	39.24
50162	233	75.65	71	23.05	20.8	6.75	20.6	6.69	107	34.74
n	11	11	11	11	11	11	11	11	11	11
Mean	214.3	65.253	76.1	23.412	16.16	4.964	20.19	6.188	106.0	32.662
S.D.	58.8	15.327	7.6	2.844	2.79	0.903	2.38	0.636	12.9	4.908

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female		Stage : Day 14 after delivery Dose : Isooctane 0 mg/kg		Species : Rat
Animal No.	Uterus	Brain		
	AB mg	RE mg/100g	AB g	RE g/100g
50151	514	155.29	2.00	0.60
50152	516	159.75	2.05	0.63
50153	527	163.16	1.84	0.57
50154	613	196.47	1.95	0.63
50155	611	182.93	2.06	0.62
50156	638	175.27	2.12	0.58
50157	526	169.68	2.10	0.68
50158	483	138.79	2.07	0.59
50160	601	172.21	2.06	0.59
50161	506	175.69	2.02	0.70
50162	464	150.65	1.95	0.63
n	11	11	11	11
Mean	545.4	167.263	2.020	0.620
S.D.	59.3	16.023	0.081	0.041

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female		Stage : Day 14 after delivery Dose : Isooctane 30 mg/kg						Species : Rat		
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen		
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g	
50251	347	11.84	3.41	2.37	0.68	1.04	0.30	587	169.16	
50252	302	10.36	3.43	1.97	0.65	1.01	0.33	412	136.42	
50253	424 \$	10.69 \$	2.52 \$	2.09 \$	0.49 \$	1.15 \$	0.27 \$	485 \$	114.39 \$	
50254	331	10.47	3.16	2.07	0.63	1.19	0.36	462	139.58	
50255	327	10.52	3.22	2.09	0.64	1.11	0.34	438	133.94	
50256	303	10.68	3.52	2.36	0.78	1.13	0.37	535	176.57	
50257	351	12.18	3.47	2.13	0.61	1.34	0.38	626	178.35	
50258	303	10.55	3.48	2.02	0.67	1.16	0.38	675	222.77	
50259	381	12.19	3.20	2.25	0.59	1.18	0.31	503	132.02	
50261	274	10.06	3.67	2.13	0.78	1.03	0.38	411	150.00	
50262	341	12.87	3.77	2.24	0.66	1.27	0.37	692	202.93	
n	10	10	10	10	10	10	10	10	10	
Mean	326.0	11.172	3.433	2.163	0.669	1.146	0.352	534.1	164.174	
S.D.	31.1	0.990	0.199	0.137	0.064	0.106	0.030	106.2	31.339	
Thymus Adrenal Pituitary gland Thyroid Ovary										
Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
50251	244	70.32	73	21.04	13.7	3.95	16.2	4.67	85	24.50
50252	175	57.95	61	20.20	14.0	4.64	18.2	6.03	86	28.48
50253	254 \$	59.91 \$	76 \$	17.92 \$	13.8 \$	3.25 \$	13.6 \$	3.21 \$	128 \$	30.19 \$
50254	174	52.57	54	16.31	14.3	4.32	18.3	5.53	92	27.79
50255	215	65.75	73	22.32	12.4	3.79	13.5	4.13	111	33.94
50256	226	74.59	78	25.74	12.2	4.03	19.9	6.57	102	33.66
50257	221	62.96	67	19.09	15.2	4.33	19.3	5.50	98	27.92
50258	180	59.41	71	23.43	14.0	4.62	12.1	3.99	92	30.36
50259	260	68.24	76	19.95	15.4	4.04	18.1	4.75	92	24.15
50261	171	62.41	85	31.02	17.7	6.46	23.2	8.47	97	35.40
50262	175	51.32	87	25.51	16.9	4.96	18.9	5.54	96	28.15
n	10	10	10	10	10	10	10	10	10	10
Mean	204.1	62.552	72.5	22.461	14.58	4.514	17.77	5.518	95.1	29.435
S.D.	33.1	7.490	10.1	4.175	1.77	0.774	3.18	1.319	7.7	3.865

AB : Absolute weight, RE : Relative weight by body weight

\$ : Excepted data from calculation (no parturition by gestation day 25 and necropsied on the next day)

Organ weight Sex : Female		Stage : Day 14 after delivery Dose : Isooctane 30 mg/kg		Species : Rat
Animal No.	Uterus	Brain		
	AB mg	RE mg/100g	AB g	RE g/100g
50251	479	138.04	2.00	0.58
50252	476	157.62	1.96	0.65
50253	39984 \$	9430.19 \$	2.04 \$	0.48 \$
50254	502	151.66	1.94	0.59
50255	547	167.28	1.97	0.60
50256	590	194.72	1.94	0.64
50257	520	148.15	2.16	0.62
50258	544	179.54	2.06	0.68
50259	547	143.57	2.05	0.54
50261	478	174.45	2.04	0.74
50262	543	159.24	1.98	0.58
n	10	10	10	10
Mean	522.6	161.427	2.010	0.622
S.D.	38.2	17.629	0.069	0.058

AB : Absolute weight, RE : Relative weight by body weight

\$ : Excepted data from calculation (no parturition by gestation day 25 and necropsied on the next day)

Organ weight Sex : Female		Stage : Day 14 after delivery Dose : Isooctane 100 mg/kg						Species : Rat		
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen		
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g	
50351	321	11.08	3.45	2.35	0.73	1.10	0.34	556	173.21	
50352	313	10.83	3.46	2.06	0.66	0.96	0.31	606	193.61	
50353	332	11.39	3.43	2.06	0.62	1.21	0.36	568	171.08	
50354	330	11.40	3.45	2.02	0.61	1.07	0.32	569	172.42	
50355	295	10.22	3.46	2.13	0.72	1.09	0.37	619	209.83	
50356	284	10.73	3.78	1.96	0.69	0.94	0.33	499	175.70	
50357	335	10.24	3.06	2.09	0.62	1.10	0.33	548	163.58	
50358	335	11.90	3.55	2.10	0.63	1.11	0.33	609	181.79	
50359	345 \$	9.10 \$	2.64 \$	2.12 \$	0.61 \$	1.04 \$	0.30 \$	524 \$	151.88 \$	
50360	312	11.24	3.60	2.19	0.70	1.04	0.33	584	187.18	
50361	305	9.67	3.17	2.12	0.70	1.02	0.33	702	230.16	
50362	387	13.13	3.39	2.56	0.66	1.09	0.28	753	194.57	
n	11	11	11	11	11	11	11	11	11	
Mean	322.6	11.075	3.436	2.149	0.667	1.066	0.330	601.2	186.648	
S.D.	27.1	0.934	0.193	0.169	0.043	0.075	0.024	71.7	19.604	
Thymus		Adrenal		Pituitary gland		Thyroid		Ovary		
Animal No.	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	
50351	233	72.59	70	21.81	14.3	4.45	21.1	6.57	108	33.64
50352	125	39.94	65	20.77	12.9	4.12	17.2	5.50	103	32.91
50353	193	58.13	76	22.89	14.6	4.40	20.6	6.20	119	35.84
50354	189	57.27	70	21.21	15.6	4.73	19.4	5.88	132	40.00
50355	290	98.31	68	23.05	12.9	4.37	13.7	4.64	111	37.63
50356	184	64.79	73	25.70	16.0	5.63	12.7	4.47	112	39.44
50357	232	69.25	67	20.00	14.8	4.42	17.8	5.31	95	28.36
50358	148	44.18	80	23.88	16.5	4.93	21.0	6.27	93	27.76
50359	502 \$	145.51 \$	62 \$	17.97 \$	19.3 \$	5.59 \$	20.3 \$	5.88 \$	106 \$	30.72 \$
50360	244	78.21	85	27.24	12.2	3.91	19.0	6.09	119	38.14
50361	129	42.30	76	24.92	14.8	4.85	13.4	4.39	106	34.75
50362	249	64.34	67	17.31	18.6	4.81	18.5	4.78	119	30.75
n	11	11	11	11	11	11	11	11	11	11
Mean	201.5	62.665	72.5	22.616	14.84	4.602	17.67	5.464	110.6	34.475
S.D.	53.2	17.274	6.2	2.812	1.83	0.463	3.10	0.793	11.4	4.243

AB : Absolute weight, RE : Relative weight by body weight

\$ : Excepted data from calculation (non-pregnancy)

Organ weight Sex : Female		Stage : Day 14 after delivery Dose : Isooctane 100 mg/kg		Species : Rat
Animal No.	Uterus		Brain	
	AB mg	RE mg/100g	AB g	RE g/100g
50351	729	227.10	1.84	0.57
50352	483	154.31	1.97	0.63
50353	541	162.95	2.06	0.62
50354	596	180.61	2.01	0.61
50355	564	191.19	1.76	0.60
50356	463	163.03	1.96	0.69
50357	600	179.10	2.09	0.62
50358	479	142.99	2.14	0.64
50359	842 \$	244.06 \$	2.25 \$	0.65 \$
50360	485	155.45	2.04	0.65
50361	474	155.41	2.11	0.69
50362	715	184.75	1.93	0.50
n	11	11	11	11
Mean	557.2	172.445	1.992	0.620
S.D.	95.2	23.569	0.116	0.053

AB : Absolute weight, RE : Relative weight by body weight

\$ : Excepted data from calculation (non-pregnancy)

Organ weight Sex : Female		Stage : Day 14 after delivery Dose : Isooctane 300 mg/kg						Species : Rat	
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen	
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50451	306	10.78	3.52	2.20	0.72	1.04	0.34	613	200.33
50452	274	10.63	3.88	1.78	0.65	0.99	0.36	512	186.86
50453	303	11.61	3.83	2.19	0.72	1.12	0.37	636	209.90
50454	307	10.84	3.53	1.96	0.64	0.91	0.30	606	197.39
50455	314	12.22	3.89	2.23	0.71	1.14	0.36	666	212.10
50456	354	12.77	3.61	2.12	0.60	1.06	0.30	577	162.99
50457	309	11.58	3.75	1.97	0.64	1.14	0.37	507	164.08
50458	312	11.94	3.83	2.31	0.74	1.03	0.33	514	164.74
50459	315	12.11	3.84	2.38	0.76	1.04	0.33	535	169.84
50460	281	9.69	3.45	2.01	0.72	0.91	0.32	512	182.21
50461	317	12.64	3.99	2.06	0.65	0.90	0.28	466	147.00
50462	337	13.09	3.88	2.12	0.63	1.18	0.35	640	189.91
n	12	12	12	12	12	12	12	12	12
Mean	310.8	11.658	3.750	2.111	0.682	1.038	0.334	565.3	182.279
S.D.	21.2	1.010	0.177	0.167	0.052	0.096	0.030	65.6	20.661
Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
Animal No.	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg
	174	56.86	72	23.53	16.4	5.36	18.3	5.98	105
50451	174	56.86	72	23.53	16.4	5.36	18.3	5.98	105
50452	247	90.15	56	20.44	12.2	4.45	22.5	8.21	84
50453	208	68.65	83	27.39	17.4	5.74	21.1	6.96	123
50454	310	100.98	72	23.45	15.7	5.11	20.0	6.51	133
50455	292	92.99	71	22.61	12.5	3.98	21.2	6.75	92
50456	217	61.30	65	18.36	15.0	4.24	11.2	3.16	80
50457	137	44.34	76	24.60	18.1	5.86	21.6	6.99	98
50458	153	49.04	69	22.12	12.9	4.13	15.7	5.03	87
50459	296	93.97	80	25.40	17.3	5.49	20.4	6.48	120
50460	251	89.32	55	19.57	13.0	4.63	18.7	6.65	89
50461	149	47.00	59	18.61	21.5	6.78	21.4	6.75	85
50462	195	57.86	64	18.99	17.1	5.07	21.3	6.32	123
n	12	12	12	12	12	12	12	12	12
Mean	219.1	71.038	68.5	22.089	15.76	5.070	19.45	6.316	101.6
S.D.	60.3	21.005	9.0	2.927	2.79	0.831	3.19	1.233	18.5

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female		Stage : Day 14 after delivery Dose : Isooctane 300 mg/kg		Species : Rat
Animal No.	Uterus	Brain		
	AB mg	RE mg/100g	AB g	RE g/100g
50451	487	159.15	1.97	0.64
50452	408	148.91	1.85	0.68
50453	603	199.01	2.06	0.68
50454	576	187.62	1.97	0.64
50455	474	150.96	2.05	0.65
50456	462	130.51	2.00	0.56
50457	457	147.90	1.88	0.61
50458	486	155.77	1.96	0.63
50459	448	142.22	2.06	0.65
50460	519	184.70	2.07	0.74
50461	403	127.13	2.09	0.66
50462	471	139.76	1.97	0.58
n	12	12	12	12
Mean	482.8	156.137	1.994	0.643
S.D.	59.5	22.886	0.076	0.047

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female (satellite)		Stage : Day 29 Dose : Isooctane 0 mg/kg				Species : Rat			
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen	
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50551	272	7.55	2.78	1.73	0.64	0.92	0.34	551	202.57
50552	268	7.22	2.69	1.70	0.63	0.86	0.32	567	211.57
50553	262	7.56	2.89	1.86	0.71	0.94	0.36	546	208.40
50554	256	6.45	2.52	1.53	0.60	0.80	0.31	540	210.94
50555	251	6.18	2.46	1.47	0.59	0.80	0.32	429	170.92
n	5	5	5	5	5	5	5	5	5
Mean	261.8	6.992	2.668	1.658	0.634	0.864	0.330	526.6	200.880
S.D.	8.6	0.640	0.179	0.158	0.047	0.065	0.020	55.5	17.121
Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
Animal No.	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg
	277	101.84	75	27.57	14.3	5.26	17.6	6.47	123
50551	277	101.84	75	27.57	14.3	5.26	17.6	6.47	45.22
50552	407	151.87	83	30.97	20.8	7.76	27.5	10.26	66
50553	369	140.84	87	33.21	19.9	7.60	20.2	7.71	114
50554	372	145.31	78	30.47	14.5	5.66	27.7	10.82	96
50555	310	123.51	72	28.69	16.2	6.45	18.8	7.49	79
n	5	5	5	5	5	5	5	5	5
Mean	347.0	132.674	79.0	30.182	17.14	6.546	22.36	8.550	95.6
S.D.	52.4	20.184	6.0	2.175	3.04	1.122	4.87	1.886	23.7
Uterus		Brain							
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g					
	608	223.53	1.97	0.72					
50551	608	223.53	1.97	0.72					
50552	711	265.30	2.04	0.76					
50553	756	288.55	2.11	0.81					
50554	497	194.14	1.86	0.73					
50555	596	237.45	1.96	0.78					
n	5	5	5	5					
Mean	633.6	241.794	1.988	0.760					
S.D.	102.1	36.613	0.094	0.037					

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female (satellite)		Stage : Day 29 Dose : Isooctane 300 mg/kg						Species : Rat		
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen		
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g	
50651	245	7.73	3.16	1.69	0.69	0.96	0.39	403	164.49	
50652	257	6.67	2.60	1.72	0.67	0.82	0.32	403	156.81	
50653	249	7.65	3.07	1.80	0.72	0.84	0.34	403	161.85	
50654	247	7.29	2.95	1.90	0.77	0.84	0.34	441	178.54	
50655	248	8.13	3.28	1.69	0.68	0.97	0.39	470	189.52	
n	5	5	5	5	5	5	5	5	5	
Mean	249.2	7.494	3.012	1.760	0.706	0.886	0.356	424.0	170.242	
S.D.	4.6	0.549	0.260	0.090	0.040	0.073	0.032	30.5	13.458	
Thymus		Adrenal		Pituitary gland		Thyroid		Ovary		
Animal No.	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	
50651	187	76.33	62	25.31	12.2	4.98	24.2	9.88	90	36.73
50652	225	87.55	80	31.13	16.4	6.38	17.6	6.85	99	38.52
50653	320	128.51	84	33.73	14.1	5.66	20.6	8.27	102	40.96
50654	323	130.77	59	23.89	16.2	6.56	14.5	5.87	114	46.15
50655	310	125.00	73	29.44	12.5	5.04	22.1	8.91	113	45.56
n	5	5	5	5	5	5	5	5	5	5
Mean	273.0	109.632	71.6	28.700	14.28	5.724	19.80	7.956	103.6	41.584
S.D.	62.8	25.671	10.9	4.074	1.98	0.734	3.82	1.604	10.1	4.183
Uterus		Brain								
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g						
50651	630	257.14	1.99	0.81						
50652	389	151.36	2.16	0.84						
50653	575	230.92	1.96	0.79						
50654	420	170.04	2.03	0.82						
50655	628	253.23	2.00	0.81						
n	5	5	5	5						
Mean	528.4	212.538	2.028	0.814						
S.D.	115.8	48.816	0.078	0.018						

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Male		Stage : Recovery day 15 Dose : Isooctane 0 mg/kg						Species : Rat				
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen				
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g			
10106	504	10.79	2.14	2.98	0.59	1.43	0.28	802	159.13			
10109	519	15.53	2.99	3.63	0.70	1.57	0.30	850	163.78			
10110	518	13.39	2.58	3.25	0.63	1.33	0.26	640	123.55			
10111	537	14.24	2.65	3.39	0.63	1.50	0.28	719	133.89			
10112	580	15.12	2.61	3.52	0.61	1.57	0.27	720	124.14			
n	5	5	5	5	5	5	5	5	5			
Mean	531.6	13.814	2.594	3.354	0.632	1.480	0.278	746.2	140.898			
S.D.	29.5	1.881	0.303	0.253	0.041	0.102	0.015	81.5	19.280			
Thymus												
Animal No.	AB mg		RE mg/100g		AB mg		RE mg/100g		AB g		RE g/100g	
	275	54.56	69	13.69	17.2	3.41	37.9	7.52	3.38	0.67		
10106	292	56.26	65	12.52	12.5	2.41	24.2	4.66	3.36	0.65		
10109	237	45.75	58	11.20	11.1	2.14	29.0	5.60	3.51	0.68		
10110	347	64.62	53	9.87	12.1	2.25	20.5	3.82	3.19	0.59		
10111	306	52.76	60	10.34	11.9	2.05	40.7	7.02	3.78	0.65		
n	5	5	5	5	5	5	5	5	5	5		
Mean	291.4	54.790	61.0	11.524	12.96	2.452	30.46	5.724	3.444	0.648		
S.D.	40.4	6.795	6.2	1.575	2.42	0.552	8.67	1.555	0.220	0.035		
Epididymis												
Animal No.	AB g		RE g/100g		AB mg		RE mg/100g		AB g		RE g/100g	
	1.62	0.32	787	156.15	2.71	0.54	2.25	0.45				
10106	1.59	0.31	917	176.69	2.30	0.44	2.24	0.43				
10109	1.42	0.27	727	140.35	1.55	0.30	2.13	0.41				
10110	1.44	0.27	750	139.66	2.81	0.52	2.19	0.41				
10111	1.47	0.25	871	150.17	2.39	0.41	2.19	0.38				
n	5	5	5	5	5	5	5	5				
Mean	1.508	0.284	810.4	152.604	2.352	0.442	2.200	0.416				
S.D.	0.091	0.030	80.9	15.136	0.496	0.096	0.048	0.026				

AB : Absolute weight, RE : Relative weight by body weight

Organ weight  
Sex : Male

Stage : Recovery day 15  
Dose : Isooctane 300 mg/kg

Species : Rat

Animal No.	Body weight g	Liver		Kidney		Heart		Spleen	
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10406	511	13.72	2.68	3.49	0.68	1.44	0.28	720	140.90
10407	478	14.10	2.95	3.76	0.79	1.47	0.31	908	189.96
10408	457	11.71	2.56	3.22	0.70	1.42	0.31	840	183.81
10410	477	12.02	2.52	2.83	0.59	1.27	0.27	622	130.40
10411	444	11.50	2.59	3.67	0.83	1.42	0.32	732	164.86
n	5	5	5	5	5	5	5	5	5
Mean	473.4	12.610	2.660	3.394	0.718	1.404	0.298	764.4	161.986
S.D.	25.4	1.209	0.172	0.377	0.095	0.078	0.022	111.4	26.026
<hr/>									
Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
Animal No.	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB g
	269	52.64	79	15.46	13.8	2.70	37.1	7.26	3.32
10406	269	52.64	79	15.46	13.8	2.70	37.1	7.26	3.32
10407	200	41.84	73	15.27	13.7	2.87	28.4	5.94	3.72
10408	471	103.06	54	11.82	10.6	2.32	25.3	5.54	3.01
10410	352	73.79	54	11.32	11.5	2.41	20.8	4.36	2.98
10411	218	49.10	66	14.86	13.3	3.00	29.1	6.55	4.00
n	5	5	5	5	5	5	5	5	5
Mean	302.0	64.086	65.2	13.746	12.58	2.660	28.14	5.930	3.406
S.D.	111.4	24.817	11.2	2.006	1.44	0.291	5.98	1.092	0.446
<hr/>									
Epididymis		Prostate		Seminal vesicle		Brain			
Animal No.	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE g/100g	AB g	RE g/100g	
10406	1.32	0.26	883	172.80	2.63	0.51	2.11	0.41	
10407	1.39	0.29	682	142.68	2.58	0.54	2.23	0.47	
10408	1.26	0.28	907	198.47	1.59	0.35	2.32	0.51	
10410	1.46	0.31	675	141.51	2.14	0.45	2.17	0.45	
10411	1.50	0.34	903	203.38	2.38	0.54	2.15	0.48	
n	5	5	5	5	5	5	5	5	
Mean	1.386	0.296	810.0	171.768	2.264	0.478	2.196	0.464	
S.D.	0.098	0.030	120.4	29.475	0.423	0.080	0.082	0.037	

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female (satellite)		Stage : Recovery day 15 Dose : Isooctane 0 mg/kg				Species : Rat			
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen	
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50556	243	6.62	2.72	1.97	0.81	0.83	0.34	465	191.36
50557	277	5.80	2.09	1.66	0.60	0.77	0.28	393	141.88
50558	256	6.34	2.48	1.70	0.66	0.83	0.32	616	240.63
50559	270	6.76	2.50	2.00	0.74	0.85	0.31	695	257.41
50560	289	7.81	2.70	1.91	0.66	0.99	0.34	629	217.65
n	5	5	5	5	5	5	5	5	5
Mean	267.0	6.666	2.498	1.848	0.694	0.854	0.318	559.6	209.786
S.D.	18.0	0.738	0.253	0.157	0.082	0.082	0.025	125.5	45.365
Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
Animal No.	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	
	291	119.75	79	32.51	14.3	5.88	14.1	5.80	
50556	143	51.62	51	18.41	15.8	5.70	14.6	5.27	
50557	516	201.56	80	31.25	14.3	5.59	15.3	5.98	
50558	301	111.48	88	32.59	21.1	7.81	23.6	8.74	
50559	181	62.63	80	27.68	21.4	7.40	19.2	6.64	
n	5	5	5	5	5	5	5	5	
Mean	286.4	109.408	75.6	28.488	17.38	6.476	17.36	6.486	
S.D.	145.5	59.437	14.2	5.976	3.59	1.046	4.03	1.352	
Uterus		Brain							
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g					
	549	225.93	1.93	0.79					
50556	515	185.92	2.10	0.76					
50557	595	232.42	2.03	0.79					
50558	876	324.44	2.09	0.77					
50559	935	323.53	2.08	0.72					
n	5	5	5	5					
Mean	694.0	258.448	2.046	0.766					
S.D.	196.3	62.422	0.070	0.029					

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female (satellite)		Stage : Recovery day 15 Dose : Isooctane 300 mg/kg				Species : Rat			
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen	
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50656	267	6.78	2.54	1.80	0.67	0.89	0.33	496	185.77
50657	279	7.18	2.57	1.78	0.64	0.88	0.32	561	201.08
50658	261	5.80	2.22	2.00	0.77	0.77	0.30	437	167.43
50659	251	7.32	2.92	2.07	0.82	0.93	0.37	497	198.01
50660	255	6.36	2.49	1.69	0.66	0.91	0.36	457	179.22
n	5	5	5	5	5	5	5	5	5
Mean	262.6	6.688	2.548	1.868	0.712	0.876	0.336	489.6	186.302
S.D.	11.0	0.622	0.250	0.160	0.079	0.062	0.029	47.5	13.803
Thymus									
Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Ovary
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg
50656	280	104.87	86	32.21	18.4	6.89	24.3	9.10	111
50657	334	119.71	65	23.30	15.7	5.63	16.2	5.81	82
50658	245	93.87	62	23.75	12.0	4.60	11.5	4.41	97
50659	314	125.10	86	34.26	18.3	7.29	21.1	8.41	78
50660	247	96.86	64	25.10	13.9	5.45	20.8	8.16	132
n	5	5	5	5	5	5	5	5	5
Mean	284.0	108.082	72.6	27.724	15.66	5.972	18.78	7.178	100.0
S.D.	39.7	13.812	12.3	5.126	2.78	1.101	4.99	1.982	22.1
Uterus									
Animal No.	Uterus		Brain						
	AB mg	RE mg/100g	AB g	RE g/100g					
50656	719	269.29	2.12	0.79					
50657	629	225.45	2.10	0.75					
50658	838	321.07	1.96	0.75					
50659	602	239.84	1.84	0.73					
50660	679	266.27	2.03	0.80					
n	5	5	5	5					
Mean	693.4	264.384	2.010	0.764					
S.D.	92.6	36.603	0.114	0.030					

AB : Absolute weight, RE : Relative weight by body weight

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10101		
Heart				
Findings : Finding present				
Infiltration, inflammatory cell, focal				
Slight				
Parathyroid				
Findings : Finding absent				
Animal Comment : right parathyroid : missing				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Kidney, Urinary bladder, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10102		
Kidney				
Findings : Finding present				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : unilateral : right				
Cast, hyaline				
Slight				
Finding Comment : unilateral : left				
Testis				
Findings : Finding present				
Sertoli-cell-only tubule				
Slight				
Finding Comment : bilateral				
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10103		
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Mild				
Harderian gland				
Findings : Finding present				
Infiltration, inflammatory cell, focal				
Slight				
Finding Comment : unilateral : right				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10104		
Kidney				
Findings : Finding present				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : unilateral : left				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10105		
Testis				
Findings : Finding present				
Sertoli-cell-only tubule				
Mild				
Finding Comment : unilateral : left				
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10107		
Heart				
Findings : Finding present				
Infiltration, inflammatory cell, focal				
Slight				
Eyeball				
Findings : Finding present				
Dysplasia, retina				
Slight				
Finding Comment : unilateral : left				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Kidney, Urinary bladder, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10108		
Testis				
Findings : Finding present				
Sertoli-cell-only tubule				
Slight				
Finding Comment : unilateral : right				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Epididymis, Prostate, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10201		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10202		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10203		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10204		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 10205		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Sex : Male	Dose : 30 mg/kg	Animal No. : 10206	
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : bilateral				
Test article : Isooctane		Dose : 30 mg/kg	Animal No. : 10207	
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Test article : Isooctane		Dose : 30 mg/kg	Animal No. : 10208	
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Test article : Isooctane		Dose : 30 mg/kg	Animal No. : 10209	
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : unilateral : right				
Test article : Isooctane		Dose : 30 mg/kg	Animal No. : 10210	
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : unilateral : right				

Histopathological findings				
Test article	Sex	Dose	Stage	Species
Isooctane	Male	30 mg/kg	Day 29	Rat
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : unilateral : right				
Test article				
Isooctane				
Dose				
30 mg/kg				
Animal No.				
10211				
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Cast, hyaline				
Slight				
Finding Comment : unilateral : left				

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10301		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10302		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10303		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10304		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Mild				
Finding Comment : bilateral				
Dilatation, renal tubule				
Mild				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10305		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10306		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : unilateral : left				
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10307		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Mild				
Finding Comment : bilateral				
Cast, hyaline				
Slight				
Finding Comment : unilateral : right				
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10308		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Mild				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10309	Infertility	
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10310		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10311		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 10312		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Mild				
Finding Comment : bilateral				

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10401		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10402		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10403		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : bilateral				
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10404		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Sex : Male	Dose : 300 mg/kg	Animal No. : 10405	
Liver				
Findings : Finding present				
Infiltration/Metastasis, tumor cell, sinusoid				
Non-graded finding				
Finding Comment : Leukemia granulocytic				
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Mild				
Finding Comment : bilateral				
Spleen				
Findings : Finding present				
Infiltration/Metastasis, tumor cell, red pulp				
Non-graded finding				
Finding Comment : Leukemia granulocytic				
Thymus				
Findings : Finding present				
Infiltration/Metastasis, tumor cell				
Non-graded finding				
Finding Comment : Leukemia granulocytic				
Bone marrow, femur				
Findings : Finding present				
Leukemia granulocytic				
Non-graded finding				
Finding absent : Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Heart, Urinary bladder, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10409		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Mild				
Finding Comment : bilateral				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : bilateral				
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10412		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Thyroid				
Findings : Finding present				
Follicular cell adenoma				
Non-graded finding				
Finding Comment : unilateral : right				
Hypertrophy, follicular cell				
Mild				
Finding Comment : bilateral				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 14 after delivery	Species : Rat
Sex : Female				
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50151		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50152		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50153		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50154		
Lung				
Findings : Finding present				
Hemorrhage, focal				
Slight				
Finding absent :	Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 14 after delivery	Species : Rat
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50155		
Kidney				
Findings : Finding present				
Cyst				
Slight				
Finding Comment : unilateral : left				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50156		
Lung				
Findings : Finding present				
Accumulation, macrophage, alveolar				
Slight				
Kidney				
Findings : Finding present				
Mineralization, medulla				
Slight				
Finding Comment : unilateral : right				
Pituitary gland				
Findings : Finding present				
Cyst, pars distalis				
Mild				
Finding absent :	Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 14 after delivery	Species : Rat
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50157		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : left				
Parathyroid				
Findings : Finding absent				
Animal Comment : right parathyroid : missing				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50158		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Eyeball				
Findings : Finding present				
Dysplasia, retina				
Slight				
Finding Comment : unilateral : left				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50159 <sup>a</sup>	Died on gestation day 22	
Kidney				
Findings : Finding present				
Necrosis, renal tubule, cortex				
Mild				
Finding Comment : bilateral				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

a : Excepted data from statistical evaluation

Histopathological findings			Stage : Day 14 after delivery	Species : Rat
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50160		
Liver				
Findings : Finding present				
Necrosis, focal				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50161		
Eyeball				
Findings : Finding present				
Dysplasia, retina				
Slight				
Finding Comment : unilateral : right				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50162		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 14 after delivery	Species : Rat
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50253 <sup>a</sup>	Euthanized on gestation day 26	
Eyeball				
Findings : Finding present				
Dysplasia, retina				
Slight				
Finding Comment : unilateral : left				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50260 <sup>a</sup>	Euthanized on gestation day 22	
Kidney				
Findings : Finding present				
Necrosis, renal tubule, cortex				
Moderate				
Finding Comment : bilateral				
Uterine horn				
Findings : Finding present				
Infiltration, inflammatory cell				
Mild				
Finding Comment : bilateral				
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Ovary, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 30 mg/kg	Animal No. : 50262		
Thoracic skin				
Findings : Finding present				
Adenocarcinoma				
Non-graded finding				
Finding Comment : mammary gland				

a : Excepted data from statistical evaluation

Histopathological findings			Stage : Day 14 after delivery	Species : Rat
Test article : Isooctane	Dose : 100 mg/kg	Animal No. : 50359 <sup>a</sup>	Non-pregnancy	
Pituitary gland				
Findings : Finding present				
Cyst, pars intermedia				
Moderate				
Eyeball				
Findings : Finding present				
Dysplasia, retina				
Slight				
Finding Comment : unilateral : right				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum,			
	Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons,			
	Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node,			
	Peyer's patch, Thyroid, Parathyroid, Adrenal, Harderian gland, Skeletal muscle, Femur, Mammary gland			

a : Excepted data from statistical evaluation

Histopathological findings			Stage : Day 14 after delivery	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50451		
Thoracic skin				
Findings : Finding present				
Adenocarcinoma				
Non-graded finding				
Finding Comment : mammary gland				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50452		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50453		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50454		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50455		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 14 after delivery	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50456		
Thymus				
Findings : Finding present				
Remnant, epithelial cell				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50457		
Liver				
Findings : Finding present				
Fibrosis, focal				
Slight				
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Eyeball				
Findings : Finding present				
Dysplasia, retina				
Slight				
Finding Comment : unilateral : left				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50458		
Lung				
Findings : Finding present				
Accumulation, macrophage, alveolar				
Slight				
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Finding absent :	Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 14 after delivery	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50459		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : bilateral				
Parathyroid				
Findings : Finding absent				
Animal Comment : right parathyroid : missing				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50460		
Thymus				
Findings : Finding present				
Remnant, epithelial cell				
Slight				
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : left				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50461		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50462		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings Sex : Female (satellite)		Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50551	
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50552	
Ovary			
Findings : Finding present			
Cyst, lutein			
Mild			
Finding Comment : bilateral			
Eyeball			
Findings : Finding present			
Dysplasia, retina			
Slight			
Finding Comment : unilateral : right			
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Harderian gland, Skeletal muscle, Femur, Mammary gland		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50553	
Thyroid			
Findings : Finding present			
Remnant, ultimobranchial body			
Slight			
Finding Comment : unilateral : right			
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland		

Histopathological findings Sex : Female (satellite)		Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50554	
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland		
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 50555	
Thyroid			
Findings : Finding present			
Remnant, ultimobranchial body			
Slight			
Finding Comment : unilateral : left			
Parathyroid			
Findings : Finding absent			
Animal Comment : right parathyroid : missing			
Harderian gland			
Findings : Finding present			
Infiltration, inflammatory cell, focal			
Slight			
Finding Comment : unilateral : right			
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Adrenal, Eyeball, Skeletal muscle, Femur, Mammary gland		

Histopathological findings Sex : Female (satellite)		Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50651	
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland		
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50652	
Liver			
Findings : Finding present			
Vacuolation, hepatocyte, periportal			
Mild			
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland		
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50653	
Thyroid			
Findings : Finding present			
Remnant, ultimobranchial body			
Slight			
Finding Comment : unilateral : left			
Parathyroid			
Findings : Finding absent			
Animal Comment : left parathyroid : missing			
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland		

Histopathological findings Sex : Female (satellite)		Stage : Day 29	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50654	
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland		
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 50655	
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland		

Histopathological findings			Stage : Recovery day 15	Species : Rat
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10106		
Kidney				
Findings : Finding present				
Cast, hyaline				
Slight				
Finding Comment : unilateral : left				
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10109		
Finding absent :	Kidney			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10110		
Finding absent :	Kidney			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10111		
Finding absent :	Kidney			
Test article : Isooctane	Dose : 0 mg/kg	Animal No. : 10112		
Finding absent :	Kidney			

Histopathological findings			Stage : Recovery day 15	Species : Rat
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10406		
Kidney				
Findings : Finding present				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : unilateral : right				
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10407		
Kidney				
Findings : Finding present				
Basophilic change, renal tubule, focal				
Mild				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10408		
Kidney				
Findings : Finding present				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : unilateral : right				
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10410		
Kidney				
Findings : Finding present				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : bilateral				
Test article : Isooctane	Dose : 300 mg/kg	Animal No. : 10411		
Kidney				
Findings : Finding present				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : bilateral				

## Estrous cycles and copulation

Generation : F0

Dose : Isooctane 0 mg/kg

Species : Rat

Animal No.	/Before mating (day)														Length of estrous cycle (days)		Mean	Number of estrus	Animal with acyclic or irregular cycle
	1	2	3	4	5	6	7	8	9	10	11	12	13	14					
50151	P	E	M	D	P	E	M	D	P	E	M	D	D	D	4	4	4.0	3	-
50152	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4	4.0	3	-
50153	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4.0	4	-
50154	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4	4.0	3	-
50155	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4	4.0	3	-
50156	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4	4.0	3	-
50157	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4	4.0	3	-
50158	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4	4.0	3	-
50159	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4	4.0	3	-
50160	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4	4.0	3	-
50161	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4.0	4	-
50162	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4.0	4	-

P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

Animal No.	Estrous cycles and copulation Generation : F0 /Before mating (day)														Dose : Isooctane 30 mg/kg			Species : Rat		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Length of estrous cycle (days)	Mean	Number of estrus	Animal with acyclic or irregular cycle		
	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	-		
50251	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4.0	4	-		
50252	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4.0	4	-		
50253	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4.0	3	-		
50254	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4.0	3	-		
50255	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4.0	3	-		
50256	P	E	M	D	D	P	E	M	D	P	E	M	D	P	5	4.5	3	-		
50257	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4.0	3	-		
50258	E	E	M	D	P	E	M	D	D	P	E	M	D	D	5	5.0	3	-		
50259	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4.0	3	-		
50260	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4.0	3	-		
50261	E	M	D	P	E	M	D	P	P	E	E	M	D	P	4	4.5	3	-		
50262	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4.0	4	-		

P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

Animal No.	Estrous cycles and copulation Generation : F0 /Before mating (day)														Dose : Isooctane 100 mg/kg			Species : Rat		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Length of estrous cycle (days)			Mean	Number of estrus	Animal with acyclic or irregular cycle
	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4			
50351	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50352	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50353	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50354	E	M	D	P	E	M	D	P	E	M	D	D	P	E	4	4	5	4.3	4	-
50355	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50356	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50357	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50358	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50359	E	M	D	D	P	E	M	D	D	P	E	M	D	P	5	5		5.0	3	-
50360	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50361	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50362	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-

P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

## Estrous cycles and copulation

Generation : F0

Dose : Isooctane 300 mg/kg

Species : Rat

Animal No.	/Before mating (day)														Length of estrous cycle (days)			Mean	Number of estrus	Animal with acyclic or irregular cycle
	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
50451	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50452	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50453	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50454	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50455	P	P	E	M	D	P	P	E	M	D	D	P	E	M	5	5		5.0	3	-
50456	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50457	P	E	E	M	D	P	E	M	D	P	E	M	D	P	5	4		4.5	3	-
50458	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50459	M	D	P	E	E	M	D	P	E	E	M	D	D	P	5			5.0	2	-
50460	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50461	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50462	D	D	P	E	M	D	D	P	E	M	D	D	P	E	5	5		5.0	3	-

P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

Animal No.	Estrous cycles and copulation														Species : Rat		
	Generation : F0							Dose : Isooctane 0 mg/kg									
	/1st mating (times)																
1	2	3	4	5	6	7	8	9	10	11	12	13	14				
50151	D	D	D	D	D	D	D	P	E								
	N	N	N	N	N	N	N	N	N	Y							
50152	P	E															
	N	Y															
50153	D	P	E														
	N	N	Y														
50154	E																
	Y																
50155	P	E															
	N	Y															
50156	P	E															
	N	Y															
50157	P	E															
	N	Y															
50158	P	E															
	N	Y															
50159	P	E															
	N	Y															
50160	P	E															
	N	Y															
50161	D	P	E														
	N	N	Y														
50162	D	P	E														
	N	N	Y														

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

Lower / Y : Completion in copulation, N : Incompletion in copulation

Animal No.	Estrous cycles and copulation														Species : Rat		
	Generation : F0			Dose : Isooctane 30 mg/kg													
	/1st mating (times)																
Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14			
50251	D	P	E														
	N	N	Y														
50252	D	P	E														
	N	N	Y														
50253	E																
	Y																
50254	P	E															
	N	Y															
50255	P	E															
	N	Y															
50256	E																
	Y																
50257	P	E															
	N	Y															
50258	P	E															
	N	Y															
50259	P	E															
	N	Y															
50260	P	E															
	N	Y															
50261	E																
	Y																
50262	D	P	E														
	N	N	Y														

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

Lower / Y : Completion in copulation, N : Incompletion in copulation

## Estrous cycles and copulation

Generation : F0

Dose : Isooctane 100 mg/kg

Species : Rat

Animal No.	/1st mating (times)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
50351	M	D	P	E										
	N	N	N	Y										
50352	D	P	E											
	N	N	Y											
50353	P	E												
	N	Y												
50354	E													
	Y													
50355	P	E												
	N	Y												
50356	D	P	E											
	N	N	Y											
50357	M	D	P	E										
	N	N	N	Y										
50358	E													
	Y													
50359	E													
	Y													
50360	P	E												
	N	Y												
50361	D	P	E											
	N	N	Y											
50362	M	D	P	E										
	N	N	N	Y										

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

Lower / Y : Completion in copulation, N : Incompletion in copulation

Animal No.	Estrous cycles and copulation														Species : Rat		
	Generation : F0		Dose : Isooctane 300 mg/kg														
	/1st mating (times)																
Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14			
50451	P	E															
	N	Y															
50452	D	P	E														
	N	N	Y														
50453	P	E															
	N	Y															
50454	M	D	P	E													
	N	N	N	Y													
50455	D	P	E														
	N	N	Y														
50456	P	E															
	N	Y															
50457	E																
	Y																
50458	D	P	E														
	N	N	Y														
50459	E																
	Y																
50460	P	E															
	N	Y															
50461	M	D	P	E													
	N	N	N	Y													
50462	M	D	P	E													
	N	N	N	Y													

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

Lower / Y : Completion in copulation, N : Incompletion in copulation

Animal No.	Day of conceiving	Reproductive performance			Dose : Isooctane 0 mg/kg			Species : Rat	
		Generation : F0	Sex : Male	1st mating		2nd mating		Copulation	Fertility
				Paired animal	Copulation	Fertility	Paired animal		
10101	10	50151		+	+	///	///	///	+
10102	2	50152		+	+	///	///	///	+
10103	3	50153		+	+	///	///	///	+
10104	1	50154		+	+	///	///	///	+
10105	2	50155		+	+	///	///	///	+
10106	2	50156		+	+	///	///	///	+
10107	2	50157		+	+	///	///	///	+
10108	2	50158		+	+	///	///	///	+
10109	2	50159		+	+	///	///	///	+
10110	2	50160		+	+	///	///	///	+
10111	3	50161		+	+	///	///	///	+
10112	3	50162		+	+	///	///	///	+
n	12			12	12		0	0	12
Mean	2.8								
S.D.	2.3								
No. of positives				12	12				12
%				100.0	100.0				100.0

/// : No need to input/measure

Animal No.	Day of conceiving	Reproductive performance			Dose : Isooctane 30 mg/kg			Species : Rat	
		Generation : F0	Sex : Male	1st mating		2nd mating		Copulation	Fertility
				Paired animal	Copulation	Fertility	Paired animal		
10201	3	50251		+	+	///	///	///	+
10202	3	50252		+	+	///	///	///	+
10203	1	50253		+	+	///	///	///	+
10204	2	50254		+	+	///	///	///	+
10205	2	50255		+	+	///	///	///	+
10206	1	50256		+	+	///	///	///	+
10207	2	50257		+	+	///	///	///	+
10208	2	50258		+	+	///	///	///	+
10209	2	50259		+	+	///	///	///	+
10210	2	50260		+	+	///	///	///	+
10211	1	50261		+	+	///	///	///	+
10212	3	50262		+	+	///	///	///	+
n	12			12	12		0	0	12
Mean	2.0								
S.D.	0.7								
No. of positives				12	12				12
%				100.0	100.0				100.0

/// : No need to input/measure

Animal No.	Day of conceiving	Reproductive performance			Dose : Isooctane 100 mg/kg			Species : Rat	
		Generation : F0	Sex : Male	1st mating			2nd mating		
				Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility
10301	4	50351		+	+		///	///	///
10302	3	50352		+	+		///	///	///
10303	2	50353		+	+		///	///	///
10304	1	50354		+	+		///	///	///
10305	2	50355		+	+		///	///	///
10306	3	50356		+	+		///	///	///
10307	4	50357		+	+		///	///	///
10308	1	50358		+	+		///	///	///
10309	1	50359		+	-		///	///	///
10310	2	50360		+	+		///	///	///
10311	3	50361		+	+		///	///	///
10312	4	50362		+	+		///	///	///
n	12			12	12		0	0	12
Mean	2.5								
S.D.	1.2								
No. of positives				12	11				
%				100.0	91.7				
/// : No need to input/measure									

Animal No.	Day of conceiving	Reproductive performance			Dose : Isooctane 300 mg/kg			Species : Rat	
		Generation : F0	Sex : Male	1st mating		2nd mating		Copulation	Fertility
				Paired animal	Copulation	Fertility	Paired animal		
10401	2	50451		+	+	///	///	///	+
10402	3	50452		+	+	///	///	///	+
10403	2	50453		+	+	///	///	///	+
10404	4	50454		+	+	///	///	///	+
10405	3	50455		+	+	///	///	///	+
10406	2	50456		+	+	///	///	///	+
10407	1	50457		+	+	///	///	///	+
10408	3	50458		+	+	///	///	///	+
10409	1	50459		+	+	///	///	///	+
10410	2	50460		+	+	///	///	///	+
10411	4	50461		+	+	///	///	///	+
10412	4	50462		+	+	///	///	///	+
n	12			12	12		0	0	12
Mean	2.6								
S.D.	1.1								
No. of positives				12	12				12
%				100.0	100.0				100.0

/// : No need to input/measure

Animal No.	Day of conceiving	Reproductive performance			Dose : Isooctane 0 mg/kg			Species : Rat	
		Generation : F0	Sex : Female	1st mating			2nd mating		
				Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility
50151	10	10101		+	+		///	///	///
50152	2	10102		+	+		///	///	///
50153	3	10103		+	+		///	///	///
50154	1	10104		+	+		///	///	///
50155	2	10105		+	+		///	///	///
50156	2	10106		+	+		///	///	///
50157	2	10107		+	+		///	///	///
50158	2	10108		+	+		///	///	///
50159	2	10109		+	+		///	///	///
50160	2	10110		+	+		///	///	///
50161	3	10111		+	+		///	///	///
50162	3	10112		+	+		///	///	///
n	12			12	12		0	0	12
Mean	2.8								
S.D.	2.3								
No. of positives				12	12				12
%				100.0	100.0				100.0

/// : No need to input/measure

Animal No.	Day of conceiving	Reproductive performance			Dose : Isooctane 30 mg/kg			Species : Rat	
		Generation : F0	Sex : Female	1st mating			2nd mating		
				Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility
50251	3	10201		+	+		///	///	///
50252	3	10202		+	+		///	///	///
50253	1	10203		+	+		///	///	///
50254	2	10204		+	+		///	///	///
50255	2	10205		+	+		///	///	///
50256	1	10206		+	+		///	///	///
50257	2	10207		+	+		///	///	///
50258	2	10208		+	+		///	///	///
50259	2	10209		+	+		///	///	///
50260	2	10210		+	+		///	///	///
50261	1	10211		+	+		///	///	///
50262	3	10212		+	+		///	///	///
n	12			12	12		0	0	12
Mean	2.0								
S.D.	0.7								
No. of positives				12	12				12
%				100.0	100.0				100.0
/// : No need to input/measure									

Animal No.	Day of conceiving	Reproductive performance			Dose : Isooctane 100 mg/kg			Species : Rat	
		Generation : F0	Sex : Female	1st mating			2nd mating		
				Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility
50351	4	10301		+	+		///	///	///
50352	3	10302		+	+		///	///	///
50353	2	10303		+	+		///	///	///
50354	1	10304		+	+		///	///	///
50355	2	10305		+	+		///	///	///
50356	3	10306		+	+		///	///	///
50357	4	10307		+	+		///	///	///
50358	1	10308		+	+		///	///	///
50359	1	10309		+	-		///	///	///
50360	2	10310		+	+		///	///	///
50361	3	10311		+	+		///	///	///
50362	4	10312		+	+		///	///	///
n	12			12	12		0	0	12
Mean	2.5								
S.D.	1.2								
No. of positives				12	11				11
%				100.0	91.7				100.0
									91.7

/// : No need to input/measure

Animal No.	Day of conceiving	Reproductive performance			Dose : Isooctane 300 mg/kg			Species : Rat	
		Generation : F0	Sex : Female	1st mating			2nd mating		
				Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility
50451	2	10401		+	+		///	///	///
50452	3	10402		+	+		///	///	///
50453	2	10403		+	+		///	///	///
50454	4	10404		+	+		///	///	///
50455	3	10405		+	+		///	///	///
50456	2	10406		+	+		///	///	///
50457	1	10407		+	+		///	///	///
50458	3	10408		+	+		///	///	///
50459	1	10409		+	+		///	///	///
50460	2	10410		+	+		///	///	///
50461	4	10411		+	+		///	///	///
50462	4	10412		+	+		///	///	///
n	12			12	12		0	0	12
Mean	2.6								
S.D.	1.1								
No. of positives				12	12				12
%				100.0	100.0				100.0

/// : No need to input/measure

Dam No.	Gestation length (day)	Delivery data Generation : F0				Dose : Isooctane 0 mg/kg												Species : Rat					
		Number of implantation	Birth index (%)	Number of offspring	Number of live newborns			Dead				Number of dead newborns				Cannibalism				Total			
					M	F	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total
50151	22	16(10/6)	100.0	16	7	9	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50152	22	18(6/12)	94.4	17	9	8	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50153	22	16(10/6)	100.0	16	7	9	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50154	23	15(8/7)	100.0	15	7	8	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50155	23	18(12/6)	94.4	17	8	9	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50156	23	19(9/10)	94.7	18	11	7	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50157	22	14(5/9)	100.0	14	7	7	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50158	22	15(7/8)	93.3	14	8	6	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50160	23	13(7/6)	100.0	13	5	8	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50161	22	14(6/8)	85.7	12	11	1	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50162	22	17(10/7)	100.0	17	8	9	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
n		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
Mean		22.36	15.9	96.59	15.4	8.0	7.4	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
S.D.		0.50	1.9	4.61	1.9	1.8	2.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

( / ) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

Dam No.	Gestation length (day)	Delivery data Generation : F0				Dose : Isooctane 30 mg/kg												Species : Rat					
		Number of implantation	Birth index (%)	Number of offspring	Number of live newborns			Dead				Number of dead newborns				Cannibalism				Total			
					M	F	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total
50251	22	14(4/10)	100.0	14	5	9	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50252	22	17(9/8)	94.1	16	8	8	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50254	23	16(6/10)	93.8	15	9	6	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50255	22	14(9/5)	100.0	14	8	6	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50256	22	17(8/9)	100.0	17	7	10	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50257	22	14(4/10)	100.0	14	6	8	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50258	23	15(7/8)	93.3	14	8	6	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50259	22	15(3/12)	100.0	15	6	9	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50261	23	15(6/9)	86.7	13	8	5	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50262	22	15(8/7)	93.3	14	6	8	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Mean		22.30	15.2	96.12	14.6	7.1	7.5	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
S.D.		0.48	1.1	4.59	1.2	1.3	1.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

( / ) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

Dam No.	Gestation length (day)	Delivery data Generation : F0				Dose : Isooctane 100 mg/kg												Species : Rat					
		Number of implantation	Birth index (%)	Number of offspring	Number of live newborns			Dead				Number of dead newborns				Cannibalism				Total			
					M	F	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total
50351	22	15(6/9)	86.7	13	2	11	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50352	23	15(7/8)	100.0	15	4	11	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50353	22	18(5/13)	100.0	18	10	8	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50354	22	17(8/9)	100.0	17	11	6	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50355	23	16(10/6)	87.5	14	4	10	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50356	22	16(10/6)	93.8	15	7	8	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50357	22	13(6/7)	92.3	12	8	4	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50358	23	19(9/10)	100.0	19	6	13	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50360	22	20(12/8)	100.0	20	6	14	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50361	22	14(7/7)	92.9	13	5	8	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50362	23	15(6/9)	100.0	15	9	6	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
n		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
Mean		22.36	16.2	95.75	15.5	6.5	9.0	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
S.D.		0.50	2.1	5.31	2.6	2.8	3.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

( / ) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

Dam No.	Gestation length (day)	Delivery data Generation : F0				Dose : Isooctane 300 mg/kg												Species : Rat					
		Number of implantation	Birth index (%)	Number of offspring	Number of live newborns			Dead				Number of dead newborns				Cannibalism				Total			
					M	F	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total
50451	22	16(7/9)	87.5	15	5	9	14	1	0	0	1	0	0	0	0	0	1	0	0	0	0	1	
50452	22	16(5/11)	100.0	16	5	11	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50453	22	16(8/8)	100.0	16	7	9	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50454	22	18(8/10)	77.8	14	8	6	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50455	23	13(7/6)	92.3	12	5	7	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50456	23	16(9/7)	100.0	16	9	7	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50457	23	14(8/6)	100.0	14	11	3	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50458	22	16(11/5)	100.0	16	11	5	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50459	23	16(10/6)	100.0	16	9	7	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50460	23	12(6/6)	100.0	12	8	4	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50461	23	13(6/7)	100.0	13	9	4	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50462	23	18(11/7)	88.9	16	10	6	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
Mean		22.58	15.3	95.54	14.7	8.1	6.5	14.6	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	
S.D.		0.51	1.9	7.34	1.6	2.2	2.4	1.6	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	

(/) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data (External examination of offspring)			Unit : Number of anomalous offspring (incidence %)	Postnatal Day : 0
Generation : F1			Dose : Isooctane 0 mg/kg	Species : Rat
Dam No.	Number of offspring examined	/Findings		
50151	16	No anomaly		
50152	17	No anomaly		
50153	16	No anomaly		
50154	15	No anomaly		
50155	17	No anomaly		
50156	18	No anomaly		
50157	14	No anomaly		
50158	14	No anomaly		
50160	13	No anomaly		
50161	12	No anomaly		
50162	17	No anomaly		
Total	169			
n	11			
Mean				
S.D.				

Mean : Average of incidence (%)

Delivery data (External examination of offspring)			Unit : Number of anomalous offspring (incidence %)	Postnatal Day : 0
Generation : F1			Dose : Isooctane 30 mg/kg	Species : Rat
Dam No.	Number of offspring examined	/Findings		
50251	14	No anomaly		
50252	16	No anomaly		
50254	15	No anomaly		
50255	14	No anomaly		
50256	17	No anomaly		
50257	14	No anomaly		
50258	14	No anomaly		
50259	15	No anomaly		
50261	13	No anomaly		
50262	14	No anomaly		
Total	146			
n	10			
Mean				
S.D.				

Mean : Average of incidence (%)

Delivery data (External examination of offspring)			Unit : Number of anomalous offspring (incidence %)	Postnatal Day : 0
Generation : F1			Dose : Isooctane 100 mg/kg	Species : Rat
Dam No.	Number of offspring examined	/Findings		
50351	13	No anomaly		
50352	15	No anomaly		
50353	18	No anomaly		
50354	17	No anomaly		
50355	14	No anomaly		
50356	15	No anomaly		
50357	12	No anomaly		
50358	19	No anomaly		
50360	20	No anomaly		
50361	13	No anomaly		
50362	15	No anomaly		
Total	171			
n	11			
Mean				
S.D.				

Mean : Average of incidence (%)

Delivery data (External examination of offspring)			Unit : Number of anomalous offspring (incidence %)	Postnatal Day : 0
Generation : F1			Dose : Isooctane 300 mg/kg	Species : Rat
Dam No.	Number of offspring examined	/Findings		
50451	14	No anomaly		
50452	16	No anomaly		
50453	16	No anomaly		
50454	14	No anomaly		
50455	12	No anomaly		
50456	16	No anomaly		
50457	14	No anomaly		
50458	16	No anomaly		
50459	16	No anomaly		
50460	12	No anomaly		
50461	13	No anomaly		
50462	16	No anomaly		
Total	175			
n	12			
Mean				
S.D.				

Mean : Average of incidence (%)

Clinical sign of offspring												
Generation : F1												
Dam No.		Number of offspring	Dose : Isooctane 0 mg/kg						Species : Rat			
			0	1	2	3	4	5	6	7	8	9
50151	Alive :	Male	7	7	7	7	7	4	4	4	4	4
		Female	9	9	9	9	9	4	4	4	4	4
		Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Dead :	Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs										
50152	Alive :	No abnormality	7/9	7/9	7/9	7/9	7/9	4/4	4/4	4/4	4/4	4/4
		Male	9	9	9	9	9	4	4	4	4	4
		Female	8	8	8	8	8	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
50153	Alive :	No abnormality	9/8	9/8	9/8	9/8	9/8	4/4	4/4	4/4	4/4	4/4
		Male	7	7	7	7	7	4	4	4	4	4
		Female	9	9	9	9	9	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
50154	Alive :	No abnormality	7/9	7/9	7/9	7/9	7/9	4/4	4/4	4/4	4/4	4/4
		Male	7	7	7	7	7	4	4	4	4	4
		Female	8	8	8	8	8	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
50155	Alive :	No abnormality	7/8	7/8	7/8	7/8	7/8	4/4	4/4	4/4	4/4	4/4
		Male	8	8	8	8	8	4	4	4	4	4
		Female	9	9	9	9	9	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
50156	Alive :	No abnormality	8/9	8/9	8/9	8/9	8/9	4/4	4/4	4/4	4/4	4/4
		Male	11	11	11	11	11	4	4	4	4	4
		Female	7	7	7	7	7	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Signs	No abnormality	11/7	11/7	11/7	11/7	11/7	4/4	4/4	4/4	4/4	4/4

( / ) : Number of offspring Male/Female/Unable to be sexed

		Clinical sign of offspring		Species : Rat	
		Generation : F1			
Dam No.	Number of offspring	Dose : Isooctane 0 mg/kg /After culling (postnatal Day)			
		12	13		
50151	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50152	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50153	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50154	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50155	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50156	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	

( / ) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring  
Generation : F1

Dam No.		Number of offspring	Dose : Isooctane 0 mg/kg										Species : Rat	
			/Before culling (postnatal Day)					/After culling (postnatal Day)						
			0	1	2	3	4	5	6	7	8	9		
50157	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	
		Female	7	7	7	7	7	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	7/7	7/7	7/7	7/7	7/7	4/4	4/4	4/4	4/4	4/4	4/4	
50158	Alive :	Male	8	7	7	7	7	4	4	4	4	4	4	
		Female	6	6	6	6	6	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	7/6	7/6	7/6	7/6	7/6	4/4	4/4	4/4	4/4	4/4	4/4	
		Trauma	1/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	
50160	Alive :	Male	5	5	5	5	5	4	4	4	4	4	4	
		Female	8	8	8	8	8	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	5/8	5/8	5/8	5/8	5/8	4/4	4/4	4/4	4/4	4/4	4/4	
50161	Alive :	Male	11	11	11	11	11	7	7	7	7	7	7	
		Female	1	1	1	1	1	1	1	1	1	1	1	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	11/1	11/1	11/1	11/1	11/1	7/1	7/1	7/1	7/1	7/1	7/1	
50162	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	
		Female	9	9	9	9	9	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	8/9	8/9	8/9	8/9	8/9	4/4	4/4	4/4	4/4	4/4	4/4	

( / ) : Number of offspring Male/Female/Unable to be sexed

		Clinical sign of offspring		Species : Rat	
		Generation : F1			
Dam No.	Number of offspring	Dose : Isooctane 0 mg/kg			
		12	13		
50157	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
	Signs				
	No abnormality	4/4	4/4		
	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
50158		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
	Signs				
	No abnormality	4/4	4/4		
	Trauma	0/0	0/0		
	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
50160	Signs				
	No abnormality	4/4	4/4		
	Alive :	Male	7	7	
		Female	1	1	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
	Signs				
	No abnormality	7/1	7/1		
	Alive :	Male	4	4	
50161		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
	Signs				
	No abnormality	7/1	7/1		
	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
50162		Cann balism	0/0/0	0/0/0	
	Signs				
	No abnormality	4/4	4/4		

( / ) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring  
Generation : F1

Dam No.		Number of offspring	Dose : Isooctane 30 mg/kg										Species : Rat	
			/Before culling (postnatal Day)					/After culling (postnatal Day)						
			0	1	2	3	4	5	6	7	8	9		
50251	Alive :	Male	5	5	5	5	5	4	4	4	4	4	4	
		Female	9	9	9	9	9	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	5/9	5/9	5/9	5/9	5/9	4/4	4/4	4/4	4/4	4/4	4/4	
50252	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	
		Female	8	8	8	8	8	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	8/8	8/8	8/8	8/8	8/8	4/4	4/4	4/4	4/4	4/4	4/4	
50254	Alive :	Male	9	9	9	9	9	4	4	4	4	4	4	
		Female	6	6	6	6	6	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	9/6	9/6	9/6	9/6	9/6	4/4	4/4	4/4	4/4	4/4	4/4	
50255	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	
		Female	6	6	6	6	6	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	8/6	8/6	8/6	8/6	8/6	4/4	4/4	4/4	4/4	4/4	4/4	
50256	Alive :	Male	7	7	7	7	6	4	4	4	4	4	4	
		Female	10	10	10	10	9	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	1/1/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	7/10	7/10	7/10	7/10	6/9	4/4	4/4	4/4	4/4	4/4	4/4	
50257	Alive :	Male	6	6	6	6	6	4	4	4	4	4	4	
		Female	8	8	8	8	8	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	6/8	6/8	6/8	6/8	6/8	4/4	4/4	4/4	4/4	4/4	4/4	

( / ) : Number of offspring Male/Female/Unable to be sexed

		Clinical sign of offspring		Species : Rat	
		Generation : F1			
Dam No.	Number of offspring	Dose : Isooctane 30 mg/kg			
		12	13		
50251	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50252	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
50254	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50255	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
50256	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50257	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	

( / ) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring											
Generation : F1											
Dam No.	Number of offspring	Dose : Isooctane 30 mg/kg						Species : Rat			
		0	1	2	3	4	5	6	7	8	9
50258	Alive :	Male	8	8	8	8	8	4	4	4	4
		Female	6	6	6	6	6	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs									
		No abnormality	8/6	8/6	8/6	8/6	8/6	4/4	4/4	4/4	4/4
50259	Alive :	Male	6	6	6	6	6	4	4	4	4
		Female	9	9	9	9	8	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/1/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs									
		No abnormality	6/9	6/9	6/9	6/9	6/8	4/4	4/4	4/4	4/4
50261	Alive :	Male	8	8	8	8	8	4	4	4	4
		Female	5	5	5	5	5	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs									
		No abnormality	8/5	8/5	8/5	8/5	8/5	4/4	4/4	4/4	4/4
50262	Alive :	Male	6	6	6	6	6	4	4	4	4
		Female	8	8	8	8	8	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs									
		No abnormality	6/8	6/8	6/8	6/8	6/8	4/4	4/4	4/4	4/4

( / ) : Number of offspring Male/Female/Unable to be sexed

		Clinical sign of offspring		Species : Rat	
		Generation : F1			
Dam No.	Number of offspring	Dose : Isooctane 30 mg/kg			
		12	13		
50258	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50259	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
50261	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50262	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	

( / ) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring  
Generation : F1

Dam No.		Number of offspring	Dose : Isooctane 100 mg/kg										Species : Rat	
			/Before culling (postnatal Day)					/After culling (postnatal Day)						
			0	1	2	3	4	5	6	7	8	9		
50351	Alive :	Male	2	2	2	2	2	2	2	2	2	2	2	
		Female	11	11	11	11	11	6	6	6	6	6	6	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	2/11	2/11	2/11	2/11	2/11	2/6	2/6	2/6	2/6	2/6	2/6	
50352	Alive :	Male	4	4	4	4	4	4	4	4	4	4	4	
		Female	11	11	11	11	11	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	4/11	4/11	4/11	4/11	4/11	4/4	4/4	4/4	4/4	4/4	4/4	
50353	Alive :	Male	10	10	10	10	10	4	4	4	4	4	4	
		Female	8	8	8	8	8	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	10/8	10/8	10/8	10/8	10/8	4/4	4/4	4/4	4/4	4/4	4/4	
50354	Alive :	Male	11	11	11	11	10	4	4	4	4	4	4	
		Female	6	6	6	6	5	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	1/1/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	11/6	11/6	11/6	11/6	10/5	4/4	4/4	4/4	4/4	4/4	4/4	
50355	Alive :	Male	4	4	4	4	4	4	4	4	4	4	4	
		Female	10	10	10	10	10	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	4/10	4/10	4/10	4/10	4/10	4/4	4/4	4/4	4/4	4/4	4/4	
50356	Alive :	Male	7	7	7	7	5	4	4	4	4	4	4	
		Female	8	8	8	8	8	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	2/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs												
		No abnormality	7/8	7/8	7/8	7/8	5/8	4/4	4/4	4/4	4/4	4/4	4/4	

( / ) : Number of offspring Male/Female/Unable to be sexed

		Clinical sign of offspring		Species : Rat	
		Generation : F1			
Dam No.	Number of offspring	Dose : Isooctane 100 mg/kg			
		12	13		
50351	Alive :	Male	2	2	
		Female	6	6	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	2/6	2/6	
50352	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
50353	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
50354	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
50355	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
50356	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	4/4	4/4	

( / ) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring											
Generation : F1											
Dam No.		Number of offspring	Dose : Isooctane 100 mg/kg						Species : Rat		
			0	1	2	3	4	5	6	7	8
50357	Alive :	Male	8	8	8	8	8	4	4	4	4
		Female	4	4	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs									
	No abnormality		8/4	8/4	8/4	8/4	8/4	4/4	4/4	4/4	4/4
50358	Alive :	Male	6	6	6	6	6	4	4	4	4
		Female	13	13	13	13	13	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs									
	No abnormality		6/13	6/13	6/13	6/13	6/13	4/4	4/4	4/4	4/4
50360	Alive :	Male	6	6	6	6	6	4	4	4	4
		Female	14	14	14	14	14	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs									
	No abnormality		6/14	6/14	6/14	6/14	6/14	4/4	4/4	4/4	4/4
50361	Alive :	Male	5	5	5	5	5	4	4	4	4
		Female	8	8	8	8	8	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs									
	No abnormality		5/8	5/8	5/8	5/8	5/8	4/4	4/4	4/4	4/4
50362	Alive :	Male	9	9	9	9	9	4	4	4	4
		Female	6	6	6	6	6	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs									
	No abnormality		9/6	9/6	9/6	9/6	9/6	4/4	4/4	4/4	4/4

( / ) : Number of offspring Male/Female/Unable to be sexed

		Clinical sign of offspring		Species : Rat	
		Generation : F1			
Dam No.	Number of offspring	Dose : Isooctane 100 mg/kg			
		/After culling (postnatal Day)			
50357	Alive :	Male	4	4	
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
	Signs	No abnormality	4/4	4/4	
	50358	Alive :	Male	4	4
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
50360		Cann balism	0/0/0	0/0/0	
	Signs	No abnormality	4/4	4/4	
	50361	Alive :	Male	4	4
		Female	4	4	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
	Signs	No abnormality	4/4	4/4	
	50362	Alive :	Male	4	4
		Female	4	4	
50362	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
	Signs	No abnormality	4/4	4/4	

( / ) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring  
Generation : F1

Dose : Isooctane 300 mg/kg

Species : Rat

Dam No.		Number of offspring	/Before culling (postnatal Day)							/After culling (postnatal Day)						
			0	1	2	3	4	5	6	7	8	9	10	11		
50451	Alive :	Male	5	4	4	4	4	4	4	4	4	4	4	4	4	4
		Female	9	9	9	9	9	4	4	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs														
		No abnormality	5/9	4/9	4/9	4/9	4/9	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50452	Alive :	Male	5	5	5	5	5	4	4	4	4	4	4	4	4	4
		Female	11	11	11	11	11	4	4	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs														
		No abnormality	5/11	5/11	5/11	5/11	5/11	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50453	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	4	4	4
		Female	9	9	9	9	9	4	4	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs														
		No abnormality	7/9	7/9	7/9	7/9	7/9	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50454	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4	4	4
		Female	6	6	6	6	6	4	4	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs														
		No abnormality	8/6	8/6	8/6	8/6	8/6	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50455	Alive :	Male	5	5	5	5	5	4	4	4	4	4	4	4	4	4
		Female	7	7	7	7	7	4	4	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs														
		No abnormality	5/7	5/7	5/7	5/7	5/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50456	Alive :	Male	9	9	9	9	9	4	4	4	4	4	4	4	4	4
		Female	7	7	7	7	7	4	4	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs														
		No abnormality	9/7	9/7	9/7	9/7	9/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4

( / ) : Number of offspring Male/Female/Unable to be sexed

		Clinical sign of offspring		Species : Rat	
		Generation : F1			
Dam No.	Number of offspring	Dose : Isooctane 300 mg/kg			
		12	13		
50451	Alive :	Male Female	4 4	4 4	
	Dead :	Dead Unknown Cann balism Signs	0/0/0 0/0/0 0/0/0 No abnormality	0/0/0 0/0/0 0/0/0 4/4	
50452	Alive :	Male Female	4 4	4 4	
	Dead :	Dead Unknown Cann balism Signs	0/0/0 0/0/0 0/0/0 No abnormality	0/0/0 0/0/0 0/0/0 4/4	
50453	Alive :	Male Female	4 4	4 4	
	Dead :	Dead Unknown Cann balism Signs	0/0/0 0/0/0 0/0/0 No abnormality	0/0/0 0/0/0 0/0/0 4/4	
50454	Alive :	Male Female	4 4	4 4	
	Dead :	Dead Unknown Cann balism Signs	0/0/0 0/0/0 0/0/0 No abnormality	0/0/0 0/0/0 0/0/0 4/4	
50455	Alive :	Male Female	4 4	4 4	
	Dead :	Dead Unknown Cann balism Signs	0/0/0 0/0/0 0/0/0 No abnormality	0/0/0 0/0/0 0/0/0 4/4	
50456	Alive :	Male Female	4 4	4 4	
	Dead :	Dead Unknown Cann balism Signs	0/0/0 0/0/0 0/0/0 No abnormality	0/0/0 0/0/0 0/0/0 4/4	

( / ) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring  
Generation : F1

Dose : Isooctane 300 mg/kg

Species : Rat

Dam No.		Number of offspring	/Before culling (postnatal Day)						/After culling (postnatal Day)					
			0	1	2	3	4	5	6	7	8	9	10	11
50457	Alive :	Male	11	11	11	11	11	5	5	5	5	5	5	5
		Female	3	3	3	3	3	3	3	3	3	3	3	3
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs												
	No abnormality		11/3	11/3	11/3	11/3	11/3	5/3	5/3	5/3	5/3	5/3	5/3	5/3
50458	Alive :	Male	11	11	11	11	11	4	4	4	4	4	4	4
		Female	5	5	5	5	4	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/1/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs												
	No abnormality		11/5	11/5	11/5	11/5	11/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50459	Alive :	Male	9	9	9	9	9	4	4	4	4	4	4	4
		Female	7	7	7	7	7	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs												
	No abnormality		9/7	9/7	9/7	9/7	9/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50460	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4
		Female	4	4	4	4	4	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs												
	No abnormality		8/4	8/4	8/4	8/4	8/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50461	Alive :	Male	9	9	9	9	9	4	4	4	4	4	4	4
		Female	4	4	4	4	4	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs												
	No abnormality		9/4	9/4	9/4	9/4	9/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50462	Alive :	Male	10	10	10	10	10	4	4	4	4	4	4	4
		Female	6	6	6	6	6	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cann balism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs												
	No abnormality		10/6	10/6	10/6	10/6	10/6	4/4	4/4	4/4	4/4	4/4	4/4	4/4

( / ) : Number of offspring Male/Female/Unable to be sexed

		Clinical sign of offspring		Species : Rat	
		Generation : F1			
Dam No.	Number of offspring	Dose : Isooctane 300 mg/kg			
		12	13		
50457	Alive :	Male	5	5	
		Female	3	3	
	Dead :	Dead	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	
		Cann balism	0/0/0	0/0/0	
		Signs			
		No abnormality	5/3	5/3	
	50458	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50459	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50460	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50461	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	
	50462	Alive :	Male	4	
			Female	4	
		Dead :	Dead	0/0/0	
			Unknown	0/0/0	
			Cann balism	0/0/0	
		Signs			
		No abnormality	4/4	4/4	

( / ) : Number of offspring Male/Female/Unable to be sexed

Litter size and viability index of offspring  
Generation : F1

Dose : Isooctane 0 mg/kg

Species : Rat

Dam No.	Sex	Male/Female	/Postnatal Day		0		4		4		13		13	
			0	Viability index (%)	Pre-culled Male/Female	4	Viability index (%)	Post-culled Male/Female	4	Male/Female	13	Weaning index (%)	13	Male/Female
50151	Total	16 (7/9)	100.0		16 (7/9)	100.0		8 (4/4)	8 (4/4)	8	8	100.0		
50152	Total	17 (9/8)	100.0		17 (9/8)	100.0		8 (4/4)	8 (4/4)	8	8	100.0		
50153	Total	16 (7/9)	100.0		16 (7/9)	100.0		8 (4/4)	8 (4/4)	8	8	100.0		
50154	Total	15 (7/8)	100.0		15 (7/8)	100.0		8 (4/4)	8 (4/4)	8	8	100.0		
50155	Total	17 (8/9)	100.0		17 (8/9)	100.0		8 (4/4)	8 (4/4)	8	8	100.0		
50156	Total	18 (11/7)	100.0		18 (11/7)	100.0		8 (4/4)	8 (4/4)	8	8	100.0		
50157	Total	14 (7/7)	100.0		14 (7/7)	100.0		8 (4/4)	8 (4/4)	8	8	100.0		
50158	Total	14 (8/6)	100.0		13 (7/6)	92.9		8 (4/4)	8 (4/4)	8	8	100.0		
50160	Total	13 (5/8)	100.0		13 (5/8)	100.0		8 (4/4)	8 (4/4)	8	8	100.0		
50161	Total	12 (11/1)	100.0		12 (11/1)	100.0		8 (7/1)	8 (7/1)	8	8	100.0		
50162	Total	17 (8/9)	100.0		17 (8/9)	100.0		8 (4/4)	8 (4/4)	8	8	100.0		
Total		169			168			88	88					
Male/Female		88/81			87/81			47/41	47/41					
n		11			11			11	11					
Mean			100.00			99.35				100.00				
S.D.			0.00			2.14				0.00				

Litter size and viability index of offspring  
Generation : F1

Dose : Isooctane 30 mg/kg

Species : Rat

Dam No.	Sex	Male/Female	/Postnatal Day		0		4		4		13		13	
			0	Viability index (%)	Pre-culled Male/Female	Viability index (%)	Post-culled Male/Female	Male/Female	Weaning index (%)	Male/Female	Male/Female	Male/Female	Male/Female	Male/Female
50251	Total	14 (5/9)	100.0		14 (5/9)	100.0		8 (4/4)		8 (4/4)		8 (4/4)		100.0
50252	Total	16 (8/8)	100.0		16 (8/8)	100.0		8 (4/4)		8 (4/4)		8 (4/4)		100.0
50254	Total	15 (9/6)	100.0		15 (9/6)	100.0		8 (4/4)		8 (4/4)		8 (4/4)		100.0
50255	Total	14 (8/6)	100.0		14 (8/6)	100.0		8 (4/4)		8 (4/4)		8 (4/4)		100.0
50256	Total	17 (7/10)	100.0		15 (6/9)	88.2		8 (4/4)		8 (4/4)		8 (4/4)		100.0
50257	Total	14 (6/8)	100.0		14 (6/8)	100.0		8 (4/4)		8 (4/4)		8 (4/4)		100.0
50258	Total	14 (8/6)	100.0		14 (8/6)	100.0		8 (4/4)		8 (4/4)		8 (4/4)		100.0
50259	Total	15 (6/9)	100.0		14 (6/8)	93.3		8 (4/4)		8 (4/4)		8 (4/4)		100.0
50261	Total	13 (8/5)	100.0		13 (8/5)	100.0		8 (4/4)		8 (4/4)		8 (4/4)		100.0
50262	Total	14 (6/8)	100.0		14 (6/8)	100.0		8 (4/4)		8 (4/4)		8 (4/4)		100.0
Total	Male/Female	146 71/75			143 70/73			80 40/40		80 40/40				
n		10			10			10		10		10		
Mean			100.00			98.15					100.00			
S.D.			0.00			4.08					0.00			

Litter size and viability index of offspring  
Generation : F1

Dose : Isooctane 100 mg/kg

Species : Rat

Dam No.	Sex	Male/Female	/Postnatal Day		0		4		4		13		13	
			0	Viability index (%)	Pre-culled Male/Female	4	Viability index (%)	Post-culled Male/Female	4	Male/Female	13	Weaning index (%)	13	Male/Female
50351	Total	13 (2/11)	13	100.0	13 (2/11)	13	100.0	8 (2/6)	8 (2/6)	8 (2/6)	8	100.0		
50352	Total	15 (4/11)	15	100.0	15 (4/11)	15	100.0	8 (4/4)	8 (4/4)	8 (4/4)	8	100.0		
50353	Total	18 (10/8)	18	100.0	18 (10/8)	18	100.0	8 (4/4)	8 (4/4)	8 (4/4)	8	100.0		
50354	Total	17 (11/6)	17	100.0	15 (10/5)	15	88.2	8 (4/4)	8 (4/4)	8 (4/4)	8	100.0		
50355	Total	14 (4/10)	14	100.0	14 (4/10)	14	100.0	8 (4/4)	8 (4/4)	8 (4/4)	8	100.0		
50356	Total	15 (7/8)	15	100.0	13 (5/8)	13	86.7	8 (4/4)	8 (4/4)	8 (4/4)	8	100.0		
50357	Total	12 (8/4)	12	100.0	12 (8/4)	12	100.0	8 (4/4)	8 (4/4)	8 (4/4)	8	100.0		
50358	Total	19 (6/13)	19	100.0	19 (6/13)	19	100.0	8 (4/4)	8 (4/4)	8 (4/4)	8	100.0		
50360	Total	20 (6/14)	20	100.0	20 (6/14)	20	100.0	8 (4/4)	8 (4/4)	8 (4/4)	8	100.0		
50361	Total	13 (5/8)	13	100.0	13 (5/8)	13	100.0	8 (4/4)	8 (4/4)	8 (4/4)	8	100.0		
50362	Total	15 (9/6)	15	100.0	15 (9/6)	15	100.0	8 (4/4)	8 (4/4)	8 (4/4)	8	100.0		
Total			171		167			88	88					
Male/Female			72/99		69/98			42/46	42/46					
n			11		11			11	11					
Mean				100.00		97.72			100.00					
S.D.				0.00		5.09			0.00					

Litter size and viability index of offspring								Species : Rat	
Generation : F1									
/Postnatal Day		0		4		13			
Dam No.	Sex	Male/Female	Viability index (%)	Pre-culled Male/Female	Viability index (%)	Post-culled Male/Female	Male/Female	Species : Rat	
50451	Total	14 (5/9)	93.3	13 (4/9)	92.9	8 (4/4)	8 (4/4)	100.0	
50452	Total	16 (5/11)	100.0	16 (5/11)	100.0	8 (4/4)	8 (4/4)	100.0	
50453	Total	16 (7/9)	100.0	16 (7/9)	100.0	8 (4/4)	8 (4/4)	100.0	
50454	Total	14 (8/6)	100.0	14 (8/6)	100.0	8 (4/4)	8 (4/4)	100.0	
50455	Total	12 (5/7)	100.0	12 (5/7)	100.0	8 (4/4)	8 (4/4)	100.0	
50456	Total	16 (9/7)	100.0	16 (9/7)	100.0	8 (4/4)	8 (4/4)	100.0	
50457	Total	14 (11/3)	100.0	14 (11/3)	100.0	8 (5/3)	8 (5/3)	100.0	
50458	Total	16 (11/5)	100.0	15 (11/4)	93.8	8 (4/4)	8 (4/4)	100.0	
50459	Total	16 (9/7)	100.0	16 (9/7)	100.0	8 (4/4)	8 (4/4)	100.0	
50460	Total	12 (8/4)	100.0	12 (8/4)	100.0	8 (4/4)	8 (4/4)	100.0	
50461	Total	13 (9/4)	100.0	13 (9/4)	100.0	8 (4/4)	8 (4/4)	100.0	
50462	Total	16 (10/6)	100.0	16 (10/6)	100.0	8 (4/4)	8 (4/4)	100.0	
Total		175		173		96	96		
Male/Female		97/78		96/77		49/47	49/47		
n		12		12		12	12		
Mean			99.44		98.89			100.00	
S.D.			1.93		2.60			0.00	

Litter data on body weight of offspring  
Generation : F1  
Dose : Isooctane 0 mg/kg  
Unit : g  
Species : Rat

Dam No.	Sex	/Postnatal Day		0		4		7		13	
		n	B.W.	n	B.W.	n	B.W.	n	B.W.	n	B.W.
50151	Male	7	6.09	7	8.86	4	16.13	4	32.78		
	Female	9	5.68	9	8.76	4	15.93	4	32.38		
50152	Male	9	6.16	9	9.24	4	16.30	4	31.90		
	Female	8	5.95	8	9.19	4	17.13	4	32.60		
50153	Male	7	6.81	7	10.59	4	17.95	4	35.05		
	Female	9	5.89	9	9.44	4	16.68	4	34.00		
50154	Male	7	7.07	7	10.53	4	18.60	4	36.50		
	Female	8	6.86	8	10.41	4	17.15	4	34.35		
50155	Male	8	7.18	8	10.65	4	20.23	4	38.75		
	Female	9	6.61	9	10.18	4	19.23	4	37.45		
50156	Male	11	7.97	11	11.52	4	21.25	4	42.48		
	Female	7	6.96	7	9.47	4	19.10	4	38.40		
50157	Male	7	6.29	7	10.40	4	19.65	4	35.03		
	Female	7	6.23	7	10.61	4	18.40	4	33.05		
50158	Male	8	6.25	7	10.61	4	19.23	4	37.85		
	Female	6	5.98	6	10.58	4	17.50	4	36.23		
50160	Male	5	7.70	5	12.76	4	21.43	4	38.05		
	Female	8	7.10	8	11.69	4	20.55	4	37.10		
50161	Male	11	6.72	11	11.12	7	18.29	7	34.67		
	Female	1	6.20	1	10.00	1	16.70	1	33.60		
50162	Male	8	6.00	8	9.75	4	17.98	4	35.73		
	Female	9	5.51	9	8.83	4	16.50	4	33.65		
n	Male	81		80		47		47			
	Female	72		72		41		41			
Mean	Male		6.749		10.548		18.822		36.254		
	Female		6.270		9.924		17.715		34.801		
S.D.	Male		0.670		1.068		1.759		2.959		
	Female		0.538		0.886		1.421		2.114		

		Litter data on body weight of offspring											
		Generation : F1				Dose : Isooctane 30 mg/kg				Unit : g		Species : Rat	
Dam No.	Sex	/Postnatal Day		0		4		7		13			
		n	B.W.	n	B.W.	n	B.W.	n	B.W.	n	B.W.		
50251	Male	5	6.44	5	10.84	4	18.40	4	37.15				
	Female	9	5.86	9	9.84	4	17.75	4	36.35				
50252	Male	8	5.95	8	9.10	4	17.90	4	35.15				
	Female	8	5.65	8	8.64	4	17.43	4	34.30				
50254	Male	9	7.41	9	11.41	4	20.68	4	39.83				
	Female	6	7.00	6	10.53	4	18.68	4	35.83				
50255	Male	8	6.15	8	10.88	4	19.75	4	38.30				
	Female	6	6.12	6	10.82	4	19.43	4	37.50				
50256	Male	7	5.40	6	7.22	4	11.45	4	24.88				
	Female	10	5.34	9	8.01	4	14.33	4	29.88				
50257	Male	6	6.93	6	11.52	4	20.25	4	39.00				
	Female	8	6.90	8	11.38	4	20.18	4	39.25				
50258	Male	8	6.48	8	10.38	4	18.28	4	34.70				
	Female	6	6.48	6	10.95	4	18.53	4	34.23				
50259	Male	6	6.53	6	10.60	4	19.60	4	36.63				
	Female	9	6.27	8	10.73	4	18.40	4	35.95				
50261	Male	8	7.34	8	12.21	4	20.45	4	35.40				
	Female	5	7.08	5	12.14	4	19.85	4	35.08				
50262	Male	6	6.93	6	9.85	4	17.30	4	37.90				
	Female	8	6.54	8	8.86	4	16.15	4	34.65				
n	Male	71		70		40		40					
	Female	75		73		40		40					
Mean	Male		6.556		10.401		18.406		35.894				
	Female		6.324		10.190		18.073		35.302				
S.D.	Male		0.625		1.419		2.705		4.224				
	Female		0.588		1.319		1.775		2.455				

Litter data on body weight of offspring									
Generation : F1			Dose : Isooctane 100 mg/kg			Unit : g		Species : Rat	
Dam No.	Sex	/Postnatal Day							
		0		4		7		13	
n	B.W.	n	B.W.	n	B.W.	n	B.W.		
50351	Male	2	6.10	2	10.15	2	17.75	2	35.60
	Female	11	6.13	11	10.65	6	18.33	6	35.20
50352	Male	4	7.45	4	11.83	4	20.83	4	37.53
	Female	11	6.91	11	11.08	4	19.30	4	34.98
50353	Male	10	6.10	10	9.82	4	17.15	4	32.98
	Female	8	5.80	8	9.50	4	17.85	4	33.55
50354	Male	11	6.15	10	9.36	4	18.43	4	35.05
	Female	6	5.23	5	9.30	4	16.33	4	33.65
50355	Male	4	6.88	4	11.03	4	17.83	4	33.40
	Female	10	6.97	10	10.73	4	19.03	4	34.88
50356	Male	7	5.47	5	9.26	4	15.93	4	32.80
	Female	8	5.30	8	8.69	4	16.05	4	31.73
50357	Male	8	6.70	8	11.20	4	19.38	4	35.08
	Female	4	6.38	4	10.90	4	18.43	4	34.40
50358	Male	6	6.72	6	9.82	4	18.85	4	35.95
	Female	13	6.32	13	9.55	4	18.55	4	35.25
50360	Male	6	5.68	6	8.15	4	13.38	4	27.55
	Female	14	5.14	14	7.19	4	12.05	4	26.50
50361	Male	5	6.44	5	9.94	4	15.93	4	30.43
	Female	8	5.88	8	9.08	4	15.93	4	30.38
50362	Male	9	6.90	9	11.50	4	22.00	4	42.28
	Female	6	6.80	6	11.55	4	20.48	4	39.58
n	Male	72		69		42		42	
	Female	99		98		46		46	
Mean	Male		6.417		10.187		17.951		34.423
	Female		6.078		9.838		17.485		33.645
S.D.	Male		0.583		1.104		2.398		3.806
	Female		0.670		1.282		2.299		3.309

Litter data on body weight of offspring  
Generation : F1  
Dose : Isooctane 300 mg/kg  
Unit : g  
Species : Rat

Dam No.	Sex	/Postnatal Day		0		4		7		13	
		n	B.W.	n	B.W.	n	B.W.	n	B.W.	n	B.W.
50451	Male	5	6.08	4	10.30	4	18.28	4	35.05		
	Female	9	5.30	9	8.73	4	16.65	4	32.58		
50452	Male	5	6.00	5	7.94	4	14.78	4	29.95		
	Female	11	5.81	11	7.78	4	14.28	4	29.00		
50453	Male	7	6.19	7	9.77	4	16.38	4	32.13		
	Female	9	5.93	9	9.16	4	15.93	4	31.93		
50454	Male	8	5.96	8	9.25	4	16.25	4	31.45		
	Female	6	5.32	6	8.03	4	14.10	4	28.48		
50455	Male	5	7.42	5	12.12	4	19.63	4	37.98		
	Female	7	6.67	7	11.17	4	18.28	4	34.93		
50456	Male	9	6.83	9	10.74	4	18.60	4	34.40		
	Female	7	6.43	7	10.40	4	18.43	4	34.60		
50457	Male	11	7.26	11	11.42	5	20.92	5	38.36		
	Female	3	7.00	3	11.63	3	20.33	3	38.50		
50458	Male	11	6.61	11	9.57	4	17.13	4	35.70		
	Female	5	6.26	4	9.28	4	15.40	4	33.23		
50459	Male	9	7.13	9	11.42	4	20.58	4	38.43		
	Female	7	6.67	7	10.37	4	19.63	4	37.35		
50460	Male	8	7.53	8	12.10	4	19.48	4	35.08		
	Female	4	7.25	4	11.18	4	17.90	4	33.08		
50461	Male	9	7.40	9	10.61	4	17.25	4	33.13		
	Female	4	7.25	4	10.38	4	17.05	4	32.33		
50462	Male	10	6.70	10	9.72	4	18.53	4	35.73		
	Female	6	6.43	6	9.37	4	16.65	4	33.43		
n	Male	97		96		49		49			
	Female	78		77		47		47			
Mean	Male		6.759		10.413		18.151		34.783		
	Female		6.360		9.790		17.053		33.287		
S.D.	Male		0.592		1.244		1.855		2.740		
	Female		0.667		1.257		1.959		2.906		

Litter data on anogenital distance of offspring  
Generation : F1  
Postnatal Day 4  
Dose : Isooctane 0 mg/kg  
Species : Rat

Dam No.	Sex	n	AGD (mm)	AGD/ <sup>3</sup> √BW
50151	Male	7	5.51	2.66
	Female	9	2.78	1.35
50152	Male	9	5.30	2.52
	Female	8	2.66	1.27
50153	Male	7	5.50	2.50
	Female	9	2.77	1.31
50154	Male	7	5.59	2.55
	Female	8	2.77	1.27
50155	Male	8	5.68	2.58
	Female	9	2.89	1.33
50156	Male	11	5.87	2.60
	Female	7	2.91	1.37
50157	Male	7	4.95	2.27
	Female	7	2.85	1.30
50158	Male	7	5.30	2.41
	Female	6	2.97	1.35
50160	Male	5	5.99	2.56
	Female	8	2.96	1.30
50161	Male	11	5.37	2.41
	Female	1	2.57	1.20
50162	Male	8	5.44	2.54
	Female	9	2.69	1.30
n	Male	87		
	Female	81		
Mean	Male		5.500	2.509
	Female		2.802	1.305
S.D.	Male		0.286	0.109
	Female		0.128	0.047

## Litter data on anogenital distance of offspring

Generation : F1

Dose : Isooctane 30 mg/kg

Species : Rat

Dam No.	Sex	Postnatal Day 4		
		n	AGD (mm)	AGD/ $\sqrt[3]{BW}$
50251	Male	5	5.24	2.37
	Female	9	2.57	1.20
50252	Male	8	5.32	2.55
	Female	8	2.56	1.25
50254	Male	9	5.94	2.64
	Female	6	2.91	1.33
50255	Male	8	5.50	2.48
	Female	6	2.76	1.25
50256	Male	6	5.13	2.66
	Female	9	2.76	1.38
50257	Male	6	5.33	2.36
	Female	8	2.80	1.24
50258	Male	8	5.86	2.69
	Female	6	2.95	1.33
50259	Male	6	5.50	2.50
	Female	8	2.89	1.31
50261	Male	8	5.64	2.45
	Female	5	2.97	1.29
50262	Male	6	5.46	2.55
	Female	8	2.75	1.33
n		Male 70		
		Female 73		
Mean	Male		5.492	2.525
	Female		2.792	1.291
S.D.	Male		0.260	0.115
	Female		0.144	0.055

Litter data on anogenital distance of offspring  
Generation : F1  
Postnatal Day 4  
Dose : Isooctane 100 mg/kg  
Species : Rat

Dam No.	Sex	Postnatal Day 4		
		n	AGD (mm)	AGD/ $\sqrt[3]{BW}$
50351	Male	2	5.53	2.55
	Female	11	2.84	1.29
50352	Male	4	5.77	2.53
	Female	11	2.96	1.33
50353	Male	10	5.36	2.50
	Female	8	2.64	1.25
50354	Male	10	5.75	2.73
	Female	5	2.86	1.36
50355	Male	4	5.70	2.56
	Female	10	2.78	1.26
50356	Male	5	5.42	2.58
	Female	8	2.76	1.34
50357	Male	8	5.62	2.51
	Female	4	2.86	1.29
50358	Male	6	5.34	2.50
	Female	13	2.78	1.31
50360	Male	6	4.86	2.42
	Female	14	2.48	1.28
50361	Male	5	5.54	2.58
	Female	8	2.73	1.31
50362	Male	9	5.56	2.46
	Female	6	2.96	1.31
n	Male	69		
	Female	98		
Mean	Male		5.495	2.538
	Female		2.786	1.303
S.D.	Male		0.256	0.080
	Female		0.139	0.033

## Litter data on anogenital distance of offspring

Generation : F1

Dose : Isooctane 300 mg/kg

Species : Rat

Postnatal Day 4				
Dam No.	Sex	n	AGD (mm)	AGD/ $\sqrt[3]{BW}$
50451	Male	4	5.25	2.41
	Female	9	2.65	1.29
50452	Male	5	5.18	2.60
	Female	11	2.50	1.26
50453	Male	7	5.28	2.47
	Female	9	2.67	1.28
50454	Male	8	5.42	2.58
	Female	6	2.85	1.43
50455	Male	5	5.93	2.58
	Female	7	2.96	1.32
50456	Male	9	5.46	2.47
	Female	7	2.63	1.21
50457	Male	11	5.56	2.47
	Female	3	2.91	1.28
50458	Male	11	5.42	2.56
	Female	4	2.64	1.26
50459	Male	9	5.59	2.48
	Female	7	2.79	1.28
50460	Male	8	6.17	2.68
	Female	4	2.95	1.32
50461	Male	9	5.54	2.52
	Female	4	2.75	1.26
50462	Male	10	5.56	2.61
	Female	6	2.87	1.36
n	Male	96		
	Female	77		
Mean	Male		5.530	2.536
	Female		2.764	1.296
S.D.	Male		0.281	0.078
	Female		0.147	0.057

## Litter data on number of nipples in male offspring

Generation : F1

Dose : Isooctane 0 mg/kg

Species : Rat

Dam No.	Sex	Postnatal Day 13	
		n	Number of nipples
50151	Male	4	0.0
50152	Male	4	0.0
50153	Male	4	0.0
50154	Male	4	0.0
50155	Male	4	0.0
50156	Male	4	0.0
50157	Male	4	0.0
50158	Male	4	0.0
50160	Male	4	0.0
50161	Male	7	0.0
50162	Male	4	0.0
n		47	
Mean			0.00
S.D.			0.00

## Litter data on number of nipples in male offspring

Generation : F1

Dose : Isooctane 30 mg/kg

Species : Rat

Dam No.	Sex	Postnatal Day 13	
		n	Number of nipples
50251	Male	4	0.0
50252	Male	4	0.0
50254	Male	4	0.0
50255	Male	4	0.0
50256	Male	4	0.0
50257	Male	4	0.0
50258	Male	4	0.0
50259	Male	4	0.0
50261	Male	4	0.0
50262	Male	4	0.0
n	Male	40	
Mean			0.00
S.D.			0.00

## Litter data on number of nipples in male offspring

Generation : F1

Dose : Isooctane 100 mg/kg

Species : Rat

Dam No.	Sex	Postnatal Day 13	
		n	Number of nipples
50351	Male	2	0.0
50352	Male	4	0.0
50353	Male	4	0.0
50354	Male	4	0.0
50355	Male	4	0.0
50356	Male	4	0.0
50357	Male	4	0.0
50358	Male	4	0.0
50360	Male	4	0.0
50361	Male	4	0.0
50362	Male	4	0.0
n		42	
Mean			0.00
S.D.			0.00

## Litter data on number of nipples in male offspring

Generation : F1

Dose : Isooctane 300 mg/kg

Species : Rat

Dam No.	Sex	Postnatal Day 13	
		n	Number of nipples
50451	Male	4	0.0
50452	Male	4	0.0
50453	Male	4	0.0
50454	Male	4	0.0
50455	Male	4	0.0
50456	Male	4	0.0
50457	Male	5	0.0
50458	Male	4	0.0
50459	Male	4	0.0
50460	Male	4	0.0
50461	Male	4	0.0
50462	Male	4	0.0
n	Male	49	
Mean			0.00
S.D.			0.00

Serum T4 concentration of offspring Generation : F1		Stage : F1 postnatal Day 13 Dose : Isooctane 0 mg/kg	Species : Rat
Dam No.	T4 ng/mL		
50151	49.1		
50152	52.1		
50153	56.1		
50154	50.1		
50155	60.2		
50156	60.1		
50157	57.6		
50158	47.6		
50160	58.7		
50161	63.7		
50162	53.8		
n	11		
Mean	55.37		
S.D.	5.22		

Serum T4 concentration of offspring Generation : F1		Stage : F1 postnatal Day 13 Dose : Isooctane 30 mg/kg	Species : Rat
Dam No.	T4 ng/mL		
50251	49.1		
50252	48.2		
50254	57.7		
50255	56.3		
50256	49.1		
50257	55.4		
50258	64.2		
50259	44.3		
50261	56.1		
50262	50.3		
n	10		
Mean	53.07		
S.D.	5.87		

Serum T4 concentration of offspring Generation : F1		Stage : F1 postnatal Day 13 Dose : Isooctane 100 mg/kg	Species : Rat
Dam No.	T4 ng/mL		
50351	53.3		
50352	59.2		
50353	57.8		
50354	54.2		
50355	61.6		
50356	53.5		
50357	58.3		
50358	63.6		
50360	45.7		
50361	49.3		
50362	53.1		
n	11		
Mean	55.42		
S.D.	5.29		

Serum T4 concentration of offspring Generation : F1		Stage : F1 postnatal Day 13 Dose : Isooctane 300 mg/kg	Species : Rat
Dam No.	T4 ng/mL		
50451	51.0		
50452	59.4		
50453	57.6		
50454	42.2		
50455	62.5		
50456	62.2		
50457	62.7		
50458	51.0		
50459	55.6		
50460	51.1		
50461	47.1		
50462	55.0		
n	12		
Mean	54.78		
S.D.	6.51		

## Necropsy findings of offspring

Generation : F1

Dose : Isooctane 0 mg/kg

Species : Rat

Dam No.	Number of live offspring examined on postnatal Day 13	/Findings	Number of dead offspring examined on postnatal Day 0-13	/Findings
50151	8	Absent	0	
50152	8	Absent	0	
50153	8	Absent	0	
50154	8	Absent	0	
50155	8	Absent	0	
50156	8	Absent	0	
50157	8	Absent	0	
50158	8	Absent	0	
50160	8	Absent	0	
50161	8	Absent	0	
50162	8	Absent	0	
Total	88		0	
n	11		11	

## Necropsy findings of offspring

Generation : F1

Dose : Isooctane 30 mg/kg

Species : Rat

Dam No.	Number of live offspring examined on postnatal Day 13		Number of dead offspring examined on postnatal Day 0-13	
	/Findings		/Findings	
50251	8	Absent	0	
50252	8	Absent	0	
50254	8	Absent	0	
50255	8	Absent	0	
50256	8	Absent	0	
50257	8	Absent	0	
50258	8	Absent	0	
50259	8	Absent	0	
50261	8	Absent	0	
50262	8	Absent	0	
Total	80		0	
n	10		10	

## Necropsy findings of offspring

Generation : F1

Dose : Isooctane 100 mg/kg

Species : Rat

Dam No.	Number of live offspring examined on postnatal Day 13		Number of dead offspring examined on postnatal Day 0-13	
	/Findings		/Findings	
50351	8	Absent	0	
50352	8	Absent	0	
50353	8	Absent	0	
50354	8	Absent	0	
50355	8	Absent	0	
50356	8	Absent	0	
50357	8	Absent	0	
50358	8	Absent	0	
50360	8	Absent	0	
50361	8	Absent	0	
50362	8	Absent	0	
Total	88		0	
n	11		11	

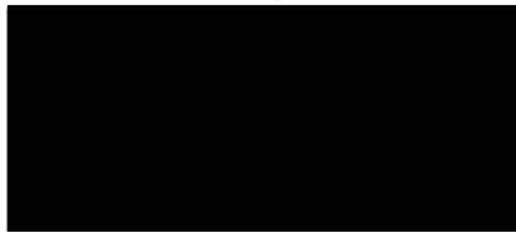
## Necropsy findings of offspring

Generation : F1

Dose : Isooctane 300 mg/kg

Species : Rat

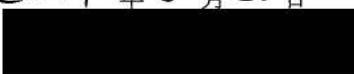
Dam No.	Number of live offspring examined on postnatal Day 13		Number of dead offspring examined on postnatal Day 0-13	
	/Findings		/Findings	
50451	8	Absent	2	Absent (Day 0, 1; Day 1, 1)
50452	8	Absent	0	
50453	8	Absent	0	
50454	8	Absent	0	
50455	8	Absent	0	
50456	8	Absent	0	
50457	8	Absent	0	
50458	8	Absent	1	Absent (Day 4)
50459	8	Absent	0	
50460	8	Absent	0	
50461	8	Absent	0	
50462	8	Absent	0	
Total	96		3	
n	12		12	



## 製品検査報告書

(株) 化合物安全性研究所 御中

2019年8月28日



ロット番号	
-------	--

## 検査結果

分析項目	規格	分析値
外観	異物のない無色透明の液体	合格
色相	(APHA) 10以下	5
比重	(20/20°C) 0.694~0.734	0.714
水分	(%) 0.01以下	0.01以下
蒸留試験 初留点 乾点	(°C) 110以上 120以下	114.5 117.5
蒸発残分	(g/100ml) 0.005以下	0.005以下

## 判定結果

合格

## 備考

## 最終報告書

試験名

調製液中のイソオクタンの安定性試験および濃度確認試験

著者

[REDACTED]

試験終了日

2020年2月12日

試験施設

株式会社日曹分析センター 小田原事業所  
〒250-0216 神奈川県小田原市高田 345

試験委託者

株式会社化合物安全性研究所 安全性研究部  
〒004-0839 北海道札幌市清田区真栄 363 番地 24

試験番号

NCAS 19-256

## GLP 適合陳述書

試験番号 : NCAS 19-256

試験名 : 調製液中のイソオクタンの安定性試験および濃度確認試験

この試験は、以下の GLP に従って実施した。

「新規化学物質等に係る試験を実施する試験施設に関する基準について」(平成 23 年 3 月 31 日 薬食発 0331 第 8 号、平成 23・03・29 製局第 6 号、環保企発第 110331010 号)

この試験はここに述べられた方法により行われ、この最終報告書は試験実施により得られた生データを正確に反映したものである。

試験責任者 :



2020 年 2 月 12 日

株式会社日曹分析センター 小田原事業所

## 信頼性保証書

試験番号： NCAS 19-256

試験名： 調製液中のイソオクタンの安定性試験および濃度確認試験

上記試験の信頼性保証の監査または査察を適用 GLP および信頼性保証部門 (QAU) の SOP に基づいて実施した。監査または査察の結果は、以下の日付で試験責任者および運営管理者に報告した。

監査または査察項目	日付 (月/日/年)		
	監査または 査察日	試験責任者	運営管理者
試験計画書	9/19/2019	9/19/2019	9/19/2019
試験計画書変更届 1	10/1/2019	10/3/2019	10/3/2019
試験計画書変更届 2	2/12/2020	2/12/2020	2/12/2020
実験操作			
・ 赤外吸収スペクトル測定	9/27, 10/1/2019	10/3/2019	10/3/2019
・ 標準溶液の調製	10/1/2019	10/3/2019	10/3/2019
・ 模擬調製液の調製	10/1/2019	10/3/2019	10/3/2019
・ GC 測定	10/1/2019	10/3/2019	10/3/2019
・ 調製液の受領	10/23/2019	10/23/2019	10/23/2019
・ 被験溶液の調製	10/23/2019	10/23/2019	10/23/2019
生データおよび関連試験資料	1/30/2020	1/30/2020	1/30/2020
報告書草案	1/30/2020	1/30/2020	1/30/2020
最終報告書	2/12/2020	2/12/2020	2/12/2020

QAU は、この試験が試験計画書および SOP に従って行われ、報告された方法や手段が実際に使われたものであり、結果は記録されたデータを正確に反映していることを確認した。

QAU 責任者



2020 年 2 月 12 日

(株) 日曹分析センター

## 試験情報

試験番号 : NCAS 19-256

試験名 : 調製液中のイソオクタンの安定性試験および濃度確認試験

報告書番号 : NCAS 19-256

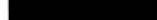
試験委託者 : 株式会社化合物安全性研究所 安全性研究部  
〒004-0839 北海道札幌市清田区真栄 363 番地 24

試験施設 : 株式会社日曹分析センター 小田原事業所  
〒250-0216 神奈川県小田原市高田 345  
TEL 0465-42-8201 FAX 0465-42-3586

試験責任者 :



試験従事者 :



試験開始日 : 2019 年 9 月 19 日

実験開始日 : 2019 年 9 月 27 日

実験終了日 : 2020 年 1 月 23 日

試験終了日 : 2020 年 2 月 12 日

適用ガイドライン : なし

関連する試験 : 試験番号 SR19178 ; イソオクタンのラットにおける反復投与毒性・生殖発生毒性併合試験

試験番号 NCAS 19-254NG ; 調製液中のイソオクタンの分析法検討および分析法確認試験

試資料保管 : 本試験に関する全ての文書は、当試験施設の資料室に該当通知後 10 年間保管する。その後の保管場所については、試験委託者と協議して決定する。測定対象物質(保管用サンプル)は該当通知後 10 年間または品質低下を起こさない期間のいずれか短い期間保管する。

SOP および試験計画書からの逸脱 :

本試験において、SOP および試験計画書からの逸脱はなかった。

試験成績の信頼性に影響を及ぼしたと思われる環境要因 :

本試験において、試験成績の信頼性に影響を及ぼしたと思われる環境要因はなかった。

## 目次

表紙	1
GLP 適合陳述書	2
信頼性保証書	3
試験情報	4
目次	5
概要	6
緒言	7
実験材料および方法	7
1. 測定対象物質	7
2. 試薬および機器	7
3. 調製液	7
4. 実験操作	7
結果および考察	10
結論	11
Table 1 Results of the standard solutions	12
Table 2 Results of the stability of the test article (isooctane) concentrations in the dosing solutions	12
Table 3 Results of the determination of the test article (isooctane) concentrations in the dosing solutions	12
Fig. 1 IR spectrum of the test article for the identity test (analyzed date: September 27, 2019)	13
Fig. 2 IR spectrum of the test article provided by the sponsor	13
Fig. 3 IR spectrum of the test article for the stability test (analyzed date: January 23, 2020)	14
Fig. 4 Typical calibration plot and regression line (analyzed date: October 23, 2019)	14
Fig. 5 Typical chromatogram of acetone	15
Fig. 6 Typical chromatogram of the standard solutions (No. SS30(1023))	15
Fig. 7 Typical chromatogram of the standard solutions (No. SS100(1023))	16
Fig. 8 Typical chromatogram of the standard solutions (No. S200(1023))	16
Fig. 9 Typical chromatogram of the standard solutions (No. SS1000(1023))	17
Fig. 10 Typical chromatogram of the standard solutions (No. SS2000(1023))	17
Fig. 11 Typical chromatogram of the control solutions (No. CS1)	18
Fig. 12 Typical chromatogram of the test solutions (No. DS1-1)	18
Fig. 13 Typical chromatogram of the test solutions (No. DS1-3)	19
Fig. 14 Typical chromatogram of the test solutions (No. DS2-1)	19
Fig. 15 Typical chromatogram of the test solutions (No. DS2-3)	20
Fig. 16 Typical chromatogram of the test solutions (No. P1-1-1)	20
Fig. 17 Typical chromatogram of the test solutions (No. P2-1-1)	21
Fig. 18 Typical chromatogram of the test solutions (No. P3-1-1)	21

## 概要

株式会社化合物安全性研究所からの委託により、調製液中のイソオクタンの安定性試験および濃度確認試験を実施した。

2019年9月27日にFT-IR(ATR法)を用いて測定対象物質のIRスペクトルを測定し、委託者より提供されたIRスペクトルと比較した。両者のIRスペクトルは一致しており、測定対象物質の同一性を確認した。

調製液中のイソオクタンの安定性を確認するため、2 mg/mL および 200 mg/mL 模擬調製液を 2019 年 10 月 1 日に試験施設で調製し、ガスクロマトグラフ(GC)を用いて調製直後の測定対象物質濃度を確認した。これら模擬調製液を遮光条件下で室温 10 日間保存した。2019 年 10 月 11 日に GC を用いて保存後の測定対象物質濃度を確認した。調製直後および保存後の模擬調製液中の測定対象物質濃度を比較して、残存率を算出した結果、2 mg/mL 模擬調製液の残存率は 90.7%、200 mg/mL 模擬調製液の残存率は 101.4%であり、判定基準 (100%±15%以内) を満たした。

以上の結果、調製液中のイソオクタンは調製後、遮光条件下で室温保存 10 日間後まで安定であることを確認した。

試験委託者が実施する毒性試験(委託者試験番号 SR19178)における初回および最終回投与に用いた調製液を、試験委託者より 2019 年 10 月 23 日および 2019 年 11 月 18 日に受領し、それら調製液中の測定対象物質の濃度確認試験を、GC を用いて行った。調製液中の測定対象物質濃度の平均値および相対標準偏差は設定濃度±15%以内および 15%以内であり、判定基準を満たした(下表参照)。

以上の結果、調製液中のイソオクタンが設定濃度に調製されていることを確認した。

試験委託者が実施する毒性試験(委託者試験番号 SR19178)における最終投与日以降の 2020 年 1 月 23 日に、測定対象物質の IR スペクトルを測定し、2019 年 9 月 27 日に測定した IR スペクトルと比較した。両者の IR スペクトルは一致しており、実験期間中の測定対象物質が安定であったことを確認した。

Received date	Nominal concentration (mg/mL)	Determined concentration		Criteria	
		Mean (mg/mL)	RSD* (%)	Mean conc. (mg/mL)	RSD* (%)
October 23, 2019	6	5.369	2.63	6±0.9	≤15
	20	18.22	0.88	20±3	≤15
	60	59.47	8.78	60±9	≤15
November 18, 2019	6	5.629	2.37	6±0.9	≤15
	20	20.72	2.19	20±3	≤15
	60	58.96	0.32	60±9	≤15

\* relative standard deviations

## 緒言

株式会社化合物安全性研究所からの委託により、調製液中のイソオクタンの安定性試験・濃度確認およびイソオクタンの同一性確認・安定性確認を実施した。

## 実験材料および方法

### 1. 測定対象物質

名称： イソオクタン  
英名： Isooctane  
製品名： [REDACTED]  
ロット番号： [REDACTED]  
入手先： 株式会社化合物安全性研究所  
入手日： 2019年8月30日  
入手量： 20.13 g  
NCAS 検索番号： STD-1651  
保存条件： 室温、気密（褐色ガラス瓶中に密封、室温保管）  
外観： 無色透明液体

### 2. 試薬および機器

トウモロコシ油： 試薬(Reagent)、ナカライトスク株式会社  
アセトン： 特級、富士フイルム和光純薬(株)  
天秤： XP205、メトラー・トレド(株)  
室温保管庫： SH-170F INC、コクヨ  
超音波洗浄器： MCD-3、アズワン(株)  
サーモレコーダー： RTR-52、(株)ティアンドディ  
マイクロビペット： 1000 μL、Eppendorf AG  
フーリエ変換赤外分光光度計： Spectrum One、PerkinElmer(株)  
ガスクロマトグラフ (GC) : Agilent 7890 GC、Agilent Technologies  
カラム : TC-624、60 m × 0.25 mm i.d.、膜厚 1.40 μm、製造 No.G0804N06、GL Sciences Inc.

### 3. 調製液

2019年10月23日および2019年11月18日に、毒性試験施設で調製した6、20 および 60 mg/mL の調製液を受領した。受領した試料は即日分析した。残余試料は試験委託者の了解を得て廃棄した。

### 4. 実験操作

#### 4.1. 測定対象物質の同一性

FT-IR (ATR 法) を用いて測定対象物質の IR スペクトルを測定し、委託者提供の IR スペクトルとの比較により同一性を確認した。

2019年9月27日に、次の条件で IR スペクトルを測定した。測定は室温で実施した。

## &lt;FT-IR 測定条件&gt;

測定法 : ATR 法  
 測定波数 : 4000～400 cm<sup>-1</sup>  
 分解能 : 4 cm<sup>-1</sup>  
 積算回数 : 1 回

## 4.2. 測定対象物質の安定性

試験委託者が実施する毒性試験（委託者試験番号 SR19178）における最終投与日以降に、FT-IR（ATR 法）を用いて測定対象物質の IR スペクトルを測定し、4.1 項にて測定したスペクトルと比較した。スペクトルが一致した場合、実験期間中の測定対象物質は安定であったと判断した。

2020 年 1 月 23 日に、4.1 項に記載の条件で IR スペクトルを測定した。測定は室温で実施した。

## 4.3. GC 条件

注入口温度 : 200 °C  
 注入方法 : スプリット (スプリット比 10:1)  
 注入量 : 2 μL  
 キャリアガス : ヘリウム  
 線速度 : 33 cm/秒  
 カラム : TC-624、60 m×0.25 mm i.d.、膜厚 1.40 μm  
 オープン温度 : 初期温度 50 °C、昇温 50→200 °C (10 °C /min) 、最終温度 200 °C  
 検出器 : FID  
 検出器温度 : 230 °C

## 4.4. 標準溶液の調製

測定対象物質の約 100 mg を 10 mL 容メスフラスコに秤量し、アセトンを加えて溶解および定容し、標準原液 No. ST10000 を調製した。この液を次表に従いアセトンで希釈して標準溶液 No. SS30～SS2000 を調製した。標準原液 No. および標準溶液 No. には調製月日(mmdd)を付して識別した。濃度の有効数字は 4 衔とした。

Standard solution No.	Source solution		Dilution volume (mL)	Nominal concentration (mg/L)
	No.	Volume (mL)		
SS30 (mmdd)	SS100 (mmdd)	3	10	30
SS100 (mmdd)	SS1000 (mmdd)	2	20	100
SS200 (mmdd)	SS1000 (mmdd)	2	10	200
SS1000 (mmdd)	ST10000 (mmdd)	2	20	1000
SS2000 (mmdd)	ST10000 (mmdd)	2	10	2000

## 4.5. 検量線

標準溶液を 4.3 項に示す GC 条件で分析し、得られたクロマトグラム上の測定対象物質のピーク面積を得た。得られたピーク面積を縦軸に、測定対象物質濃度(mg/L)を横軸としてグラフを作成するとともに、回帰直線の傾き、y 切片及び相関係数(r)を算出した。計算には Microsoft Office Excel 2010 (SP2 MSO)を用いた。

#### 4.6. 調製液中のイソオクタンの濃度測定

3 項の調製液を以下のように希釀して被験溶液を調製した。別に、トウモロコシ油 1 mL にアセトンを加えて 20 mL として対照溶液とした( $n=1$ )。調製液およびトウモロコシ油にアセトンを加えて定容した後、均一にするために超音波洗浄器を用いた。

##### 6 mg/mL 調製液

6 mg/mL 調製液 1 mL にアセトンを加えて 20 mL として被験溶液とした。 ( $n=2$ 、20 倍希釀)

##### 20 mg/mL 調製液

20 mg/mL 調製液 1 mL にアセトンを加えて 20 mL として被験溶液とした。 ( $n=2$ 、20 倍希釀)

##### 60 mg/mL 調製液

60 mg/mL 調製液 1 mL にアセトンを加えて 20 mL とした。この液 1 mL にアセトンを加えて 10 mL として被験溶液とした。 ( $n=2$ 、200 倍希釀)

被験溶液および対照溶液を 4.3 項に示す GC 条件で分析し、得られたクロマトグラム上の測定対象物質のピーク面積を得た。予め作成した検量線より、被験溶液中の測定対象物質濃度を算出した。濃度の有効数字は 4 衔とした。次式を用いて調製液中の測定対象物質濃度を求めた。また、調製液中の測定対象物質濃度の平均値及び相対標準偏差を求めた。判定基準は、平均値が設定濃度 $\pm 15\%$ 以内および相対標準偏差が 15%以内とした。

Received date	Dosing solution		Dilution factor	Test solution (mg/L)	
	Nominal conc. (mg/mL)	No.		Nominal conc. (mg/L)	No.
October 23, 2019	6	P1-1	20	300	P1-I-1, P1-I-2
	20	P2-1	20	1000	P2-I-1, P2-I-2
	60	P3-1	200	300	P3-I-1, P3-I-2
November 18, 2019	6	P1-2	20	300	P1-2-1, P1-2-2
	20	P2-2	20	1000	P2-2-1, P2-2-2
	60	P3-2	200	300	P3-2-1, P3-2-2

$$\text{調製液中の測定対象物質濃度} = \frac{\text{被験溶液中の測定対象物質濃度 (mg/L)} \times \text{希釈倍率}}{1000}$$

$$(\text{mg/mL})$$

#### 4.7. 調製液中のイソオクタンの安定性確認

測定対象物質の 40.70 mg および 1003.1 mg を 20 mL および 5 mL 容メスフラスコに秤量し、トウモロコシ油を加えて溶解および定容し、2 mg/mL 模擬調製液 No. DS1 および 200 mg/mL 模擬調製液 No. DS2 を調製した。模擬調製液を次のように希釀して被験溶液を調製した。別に、トウモロコシ油 1 mL にアセトンを加えて 20 mL として対照溶液 No. CS1 を調製した( $n=1$ )。

なお、模擬調製液およびトウモロコシ油 1 mL を分取後にアセトンを加えて定容した際に、均一にするために超音波洗浄器を用いた。

##### 2 mg/mL 模擬調製液

2 mg/mL 模擬調製液 1 mL にアセトンを加えて 20 mL として被験溶液とした。 ( $n=2$ 、20 倍希釀)

200 mg/mL 模擬調製液

200 mg/mL 模擬調製液 1 mL にアセトンを加えて 20 mL とした。この液 1 mL にアセトンを加えて 10 mL として被験溶液とした。 (n=2、200 倍希釈)

被験溶液および対照溶液を 4.3 項に示す GC 条件で分析し、得られたクロマトグラム上の測定対象物質のピーク面積を得た。予め作成した検量線より、被験溶液中の測定対象物質濃度を算出した。濃度の有効数字は 4 桁とした。次式を用いて調製直後の模擬調製液中の測定対象物質濃度を求めた。

$$\text{模擬調製液中の測定対象物質濃度 (mg/mL)} = \frac{\text{被験溶液中の測定対象物質濃度 (mg/L)} \times \text{希釈倍率}}{1000}$$

2 mg/mL および 200 mg/mL 模擬調製液を遮光条件下で室温 10 日間保存した。保存後の模擬調製液中の測定対象物質濃度を上記と同様に算出し、次式を用いて残存率を求めた。判定基準は残存率 100%±15% 以内とした。

$$\text{残存率 (\%)} = \frac{\text{保存後の測定対象物質平均濃度}}{\text{調製直後の測定対象物質平均濃度}} \times 100$$

## 結果および考察

調製液中のイソオクタンの安定性試験・濃度確認およびイソオクタンの同一性確認・安定性確認を実施した結果を以下に示す。

測定対象物質の同一性

2019 年 9 月 27 日に測定した測定対象物質の IR スペクトルを Fig. 1 に示す。委託者提供の IR スペクトルを Fig. 2 に示す。両者のスペクトルは一致しており、同一性を確認した。

測定対象物質の安定性

試験委託者が実施する毒性試験（委託者試験番号 SR19178）における最終投与日以降である 2020 年 1 月 23 日に測定した測定対象物質の IR スペクトルを Fig. 3 に示す。2019 年 9 月 27 日に測定した IR スペクトル (Fig. 1) と比較した結果、両者の IR スペクトルは一致しており、実験期間中の測定対象物質が安定であったことを確認した。

調製液中のイソオクタンの安定性確認

標準溶液の測定結果を Table 1 に示す。模擬調製液中の測定対象物質の濃度測定結果を Table 2 に示す。検量線の一例を Fig. 4 に示す。アセトンのクロマトグラム例を Fig. 5 に示す。標準溶液のクロマトグラム例を Fig. 6～Fig. 10 に示す。対照溶液のクロマトグラム例を Fig. 11 に示す。被験溶液のクロマトグラム例を Fig. 12～Fig. 15 に示す。

模擬調製液を遮光条件下で室温 (21.5～24.5 °C) 10 日間保存した結果、2 mg/mL 模擬調製液の残存率は 90.7%、200 mg/mL 模擬調製液の残存率は 101.4% であり、判定基準 (100%±15% 以内) を満たした。

以上の結果、調製液中のイソオクタンは調製後、遮光条件下で室温保存 10 日間後まで安定であることを確認した。

調製液中のイソオクタンの濃度測定

調製液中の測定対象物質の濃度測定結果を Table 3 に示す。被験溶液のクロマトグラム例を Fig. 16～Fig. 18 に示す。

調製液中の測定対象物質濃度の平均値および相対標準偏差は設定濃度±15%以内および 15%以内であり、判定基準を満たした。

以上の結果、調製液中のイソオクタンが設定濃度に調製されていることを確認した。

## 結論

本試験において、FT-IR(ATR 法)を用いてイソオクタンの同一性および安定性を確認した。また、GC を用いて調製液中のイソオクタンが設定濃度に調製されていること、および安定性（遮光条件下における室温保存 10 日間安定）を確認した。

Table 1 Results of the standard solutions

Experiment	Standard solution No.	Concentration (mg/L)	Peak area	Regression equation Correlation coefficient
Stability of the isoctane concentration in the dosing solution	SS30(1001)	30.39	116.32	Regression equation: $y = 3.8626x - 3.9612$ Correlation coefficient: 1.0000 (analyzed date: October 1, 2019)
	SS100(1001)	101.3	375.39	
	SS200(1001)	202.6	794.32	
	SS1000(1001)	1013	3897.47	
	SS2000(1001)	2026	7826.26	
	SS30(1011)	30.45	111.50	Regression equation: $y = 3.6482x + 16.574$ Correlation coefficient: 0.9999 (analyzed date: October 11, 2019)
	SS100(1011)	101.5	377.42	
	SS200(1011)	203.0	804.37	
	SS1000(1011)	1015	3684.33	
	SS2000(1011)	2030	7436.04	
Determination of the isoctane concentration in the dosing solution	SS30(1023)	30.03	118.48	Regression equation: $y = 3.8356x + 26.179$ Correlation coefficient: 1.0000 (analyzed date: October 23, 2019)
	SS100(1023)	100.1	411.58	
	SS200(1023)	200.2	814.72	
	SS1000(1023)	1001	3870.74	
	SS2000(1023)	2002	7700.68	
	SS30(1118)	30.24	119.73	Regression equation: $y = 3.6902x + 44.591$ Correlation coefficient: 0.9998 (analyzed date: November 18, 2019)
	SS100(1118)	100.8	403.47	
	SS200(1118)	201.6	788.15	
	SS1000(1118)	1008	3861.67	
	SS2000(1118)	2016	7436.56	

Table 2 Results of the stability of the test article (isoctane) concentrations in the dosing solutions

Test solution No.	Storage	Prepared conc. (mg/mL)	Dilution factor	Peak area	Detected conc. (mg/L)	Determined conc. (mg/mL)		Residual rate (%)
						Individual	Mean	
DS1-1	Before*	2.035	20	374.53	97.99	1.960	2.071	90.7
DS1-2				417.46	109.1	2.182		
DS1-3				367.02	96.06	1.921	1.878	
DS1-4				351.12	91.70	1.834		
DS2-1	Before*	200.6	200	3734.47	967.9	193.6	195.4	101.4
DS2-2				3806.12	986.4	197.3		
DS2-3				3657.45	998.0	199.6		
DS2-4				3603.73	983.3	196.7	198.1	

\*Before: October 1, 2019, After: October 11, 2019

$$\text{Residual rate (\%)} = \frac{\text{Isooctane concentration after storage}}{\text{Isooctane concentration before storage}} \times 100$$

Table 3 Results of the determination of the test article (isoctane) concentrations in the dosing solutions

Received date	Test solution No.	Nominal conc. (mg/mL)	Dilution factor	Peak area	Detected conc. (mg/L)	Determined conc.		Criteria		
						Individual (mg/mL)	Mean (mg/mL)	RSD (%)	Mean (mg/mL)	RSD (%)
October 23, 2019	P1-1-1	6	20	1075.03	273.5	5.469	5.369	2.63	$6 \pm 0.9$	$\leq 15$
	P1-1-2			1036.75	263.5	5.269				
	P2-1-1	20	20	3542.61	916.8	18.34	18.22	0.88	$20 \pm 3$	$\leq 15$
	P2-1-2			3499.26	905.5	18.11				
	P3-1-1	60	200	1095.86	278.9	55.78	59.47	8.78	$60 \pm 9$	$\leq 15$
	P3-1-2			1237.54	315.8	63.16				
November 18, 2019	P1-2-1	6	20	1100.55	286.2	5.723	5.629	2.37	$6 \pm 0.9$	$\leq 15$
	P1-2-2			1065.81	276.7	5.535				
	P2-2-1	20	20	3927.37	1052	21.04	20.72	2.19	$20 \pm 3$	$\leq 15$
	P2-2-2			3808.74	1020	20.40				
	P3-2-1	60	200	1134.90	295.5	59.09	58.96	0.32	$60 \pm 9$	$\leq 15$
	P3-2-2			1130.05	294.1	58.83				

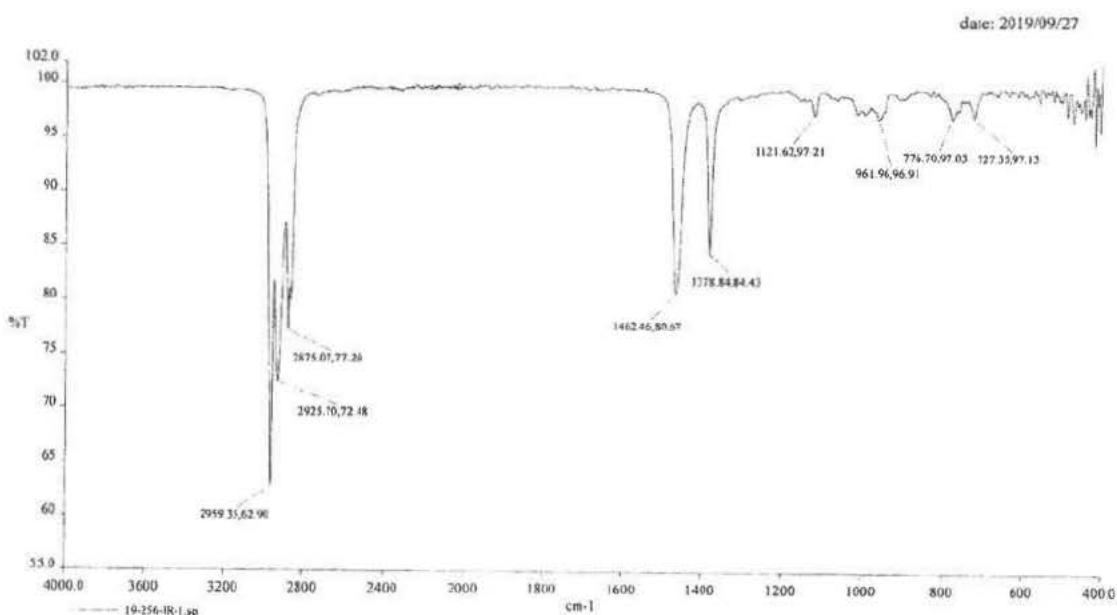


Fig. 1 IR spectrum of the test article for the identity test (analyzed date: September 27, 2019).

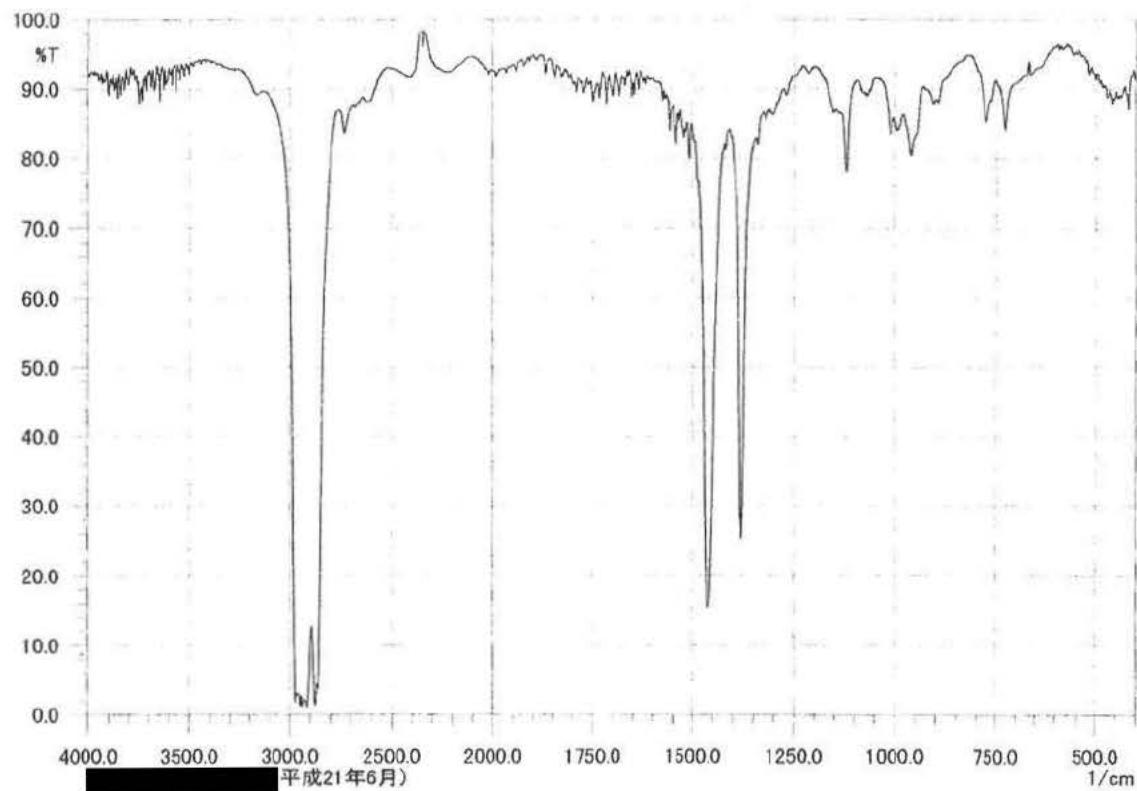


Fig. 2 IR spectrum of the test article provided by the sponsor.

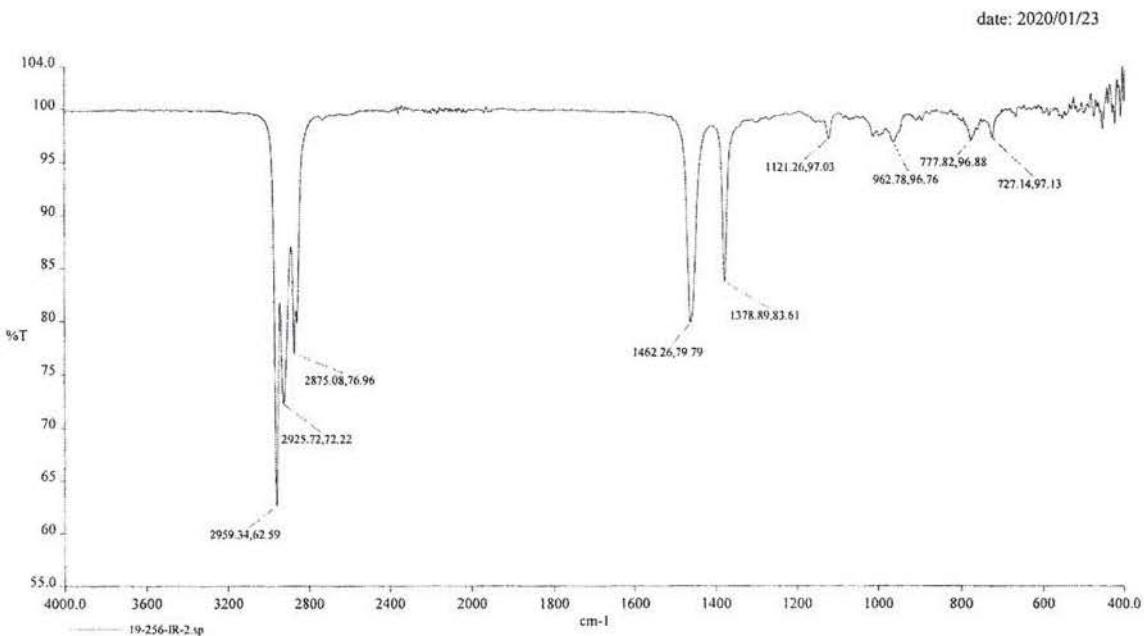


Fig. 3 IR spectrum of the test article for the stability test (analyzed date: January 23, 2020).

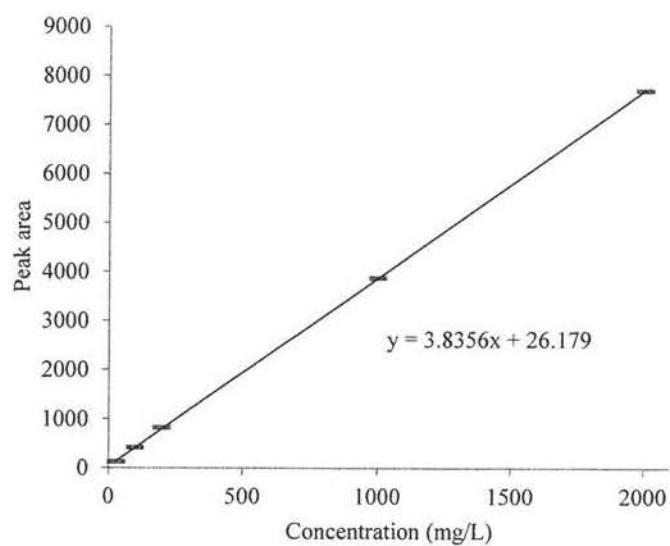
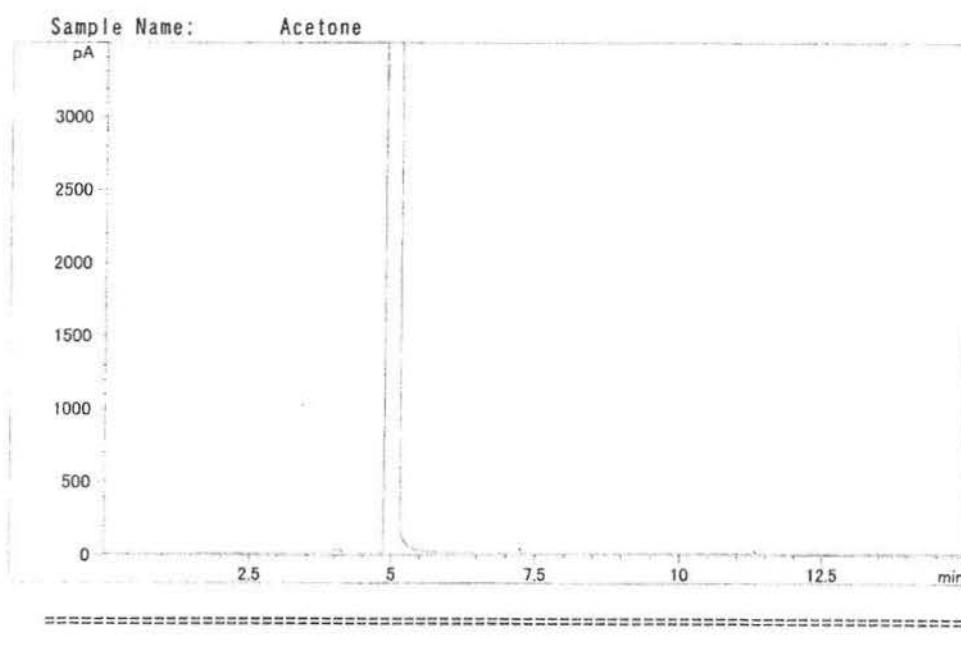


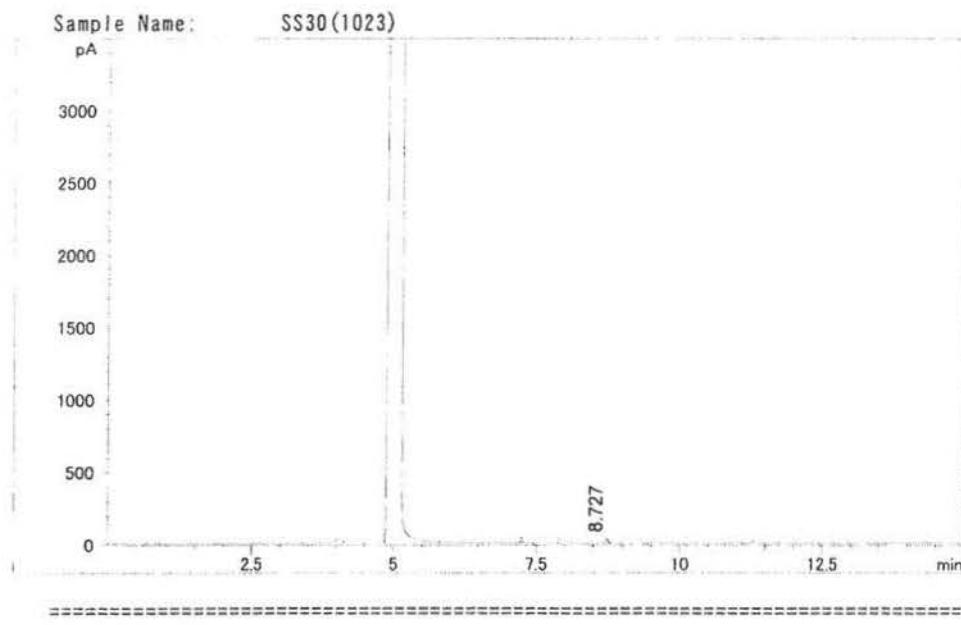
Fig. 4 Typical calibration plot and regression line (analyzed date: October 23, 2019).



&lt;Result&gt;

Name	Time(min)	Aera(pA*s)	Height	Area(%)
------	-----------	------------	--------	---------

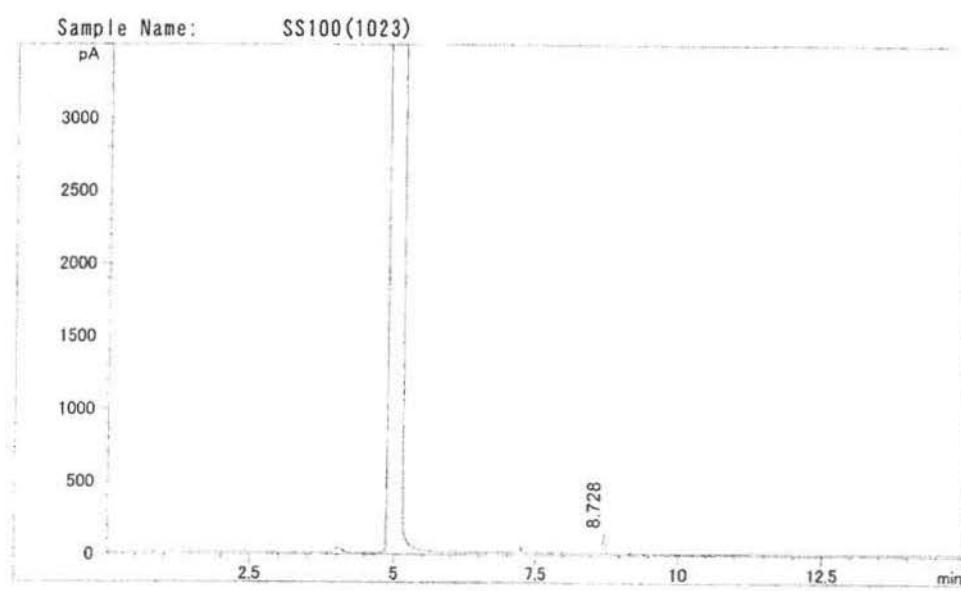
Fig. 5 Typical chromatogram of acetone.



&lt;Result&gt;

Name	Time(min)	Aera(pA*s)	Height	Area(%)
	8.727	118.48	39.497	100.00

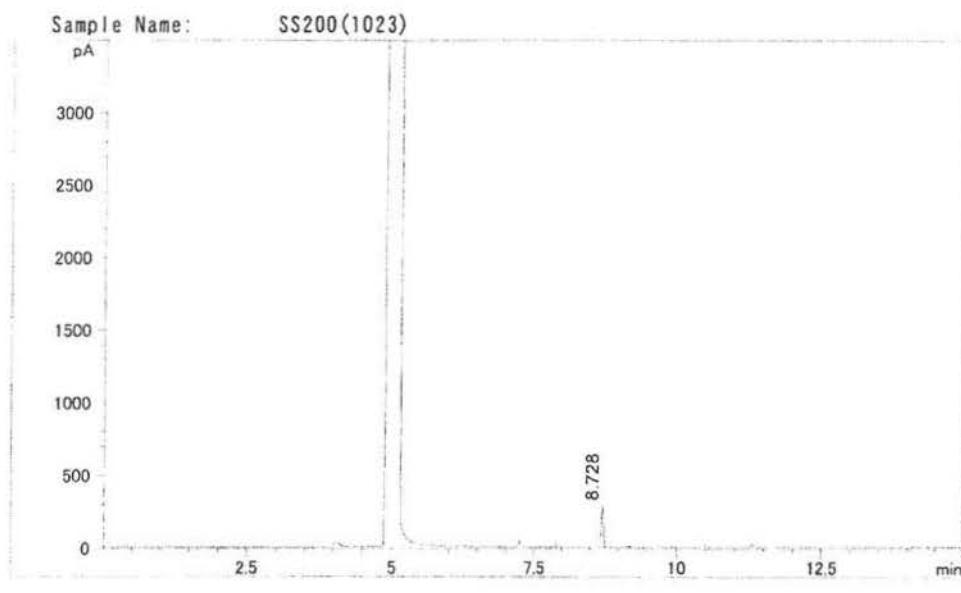
Fig. 6 Typical chromatogram of the standard solutions (No. SS30(1023)).



## &lt;Result&gt;

Name	Time(min)	Aera(pAs)	Height	Area(%)
	8.728	411.58	140.521	100.00

Fig. 7 Typical chromatogram of the standard solutions (No. SS100(1023)).



## &lt;Result&gt;

Name	Time(min)	Aera(pAs)	Height	Area(%)
	8.728	814.72	283.561	100.00

Fig. 8 Typical chromatogram of the standard solutions (No. S200(1023)).

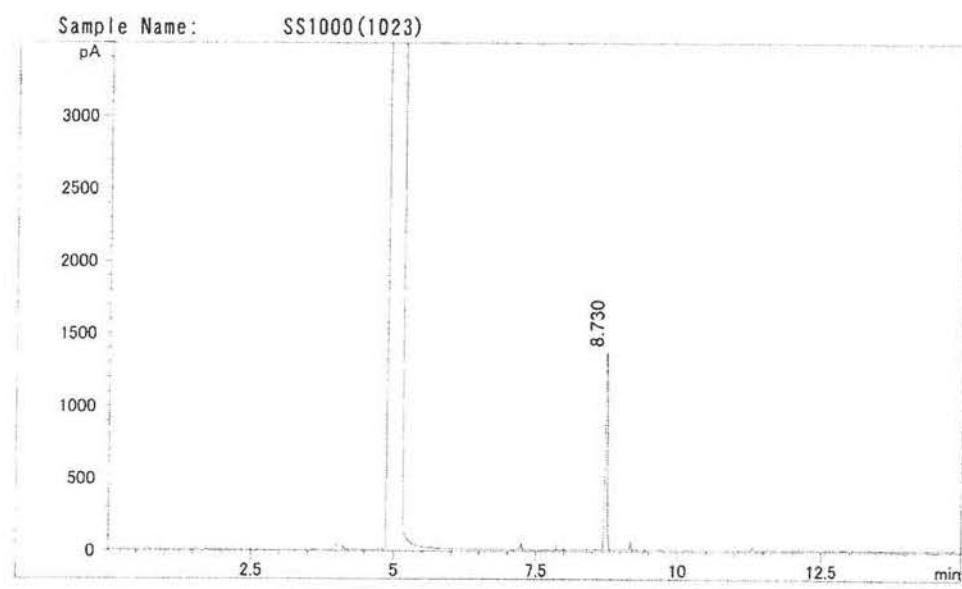


Fig. 9 Typical chromatogram of the standard solutions (No. SS1000(1023)).

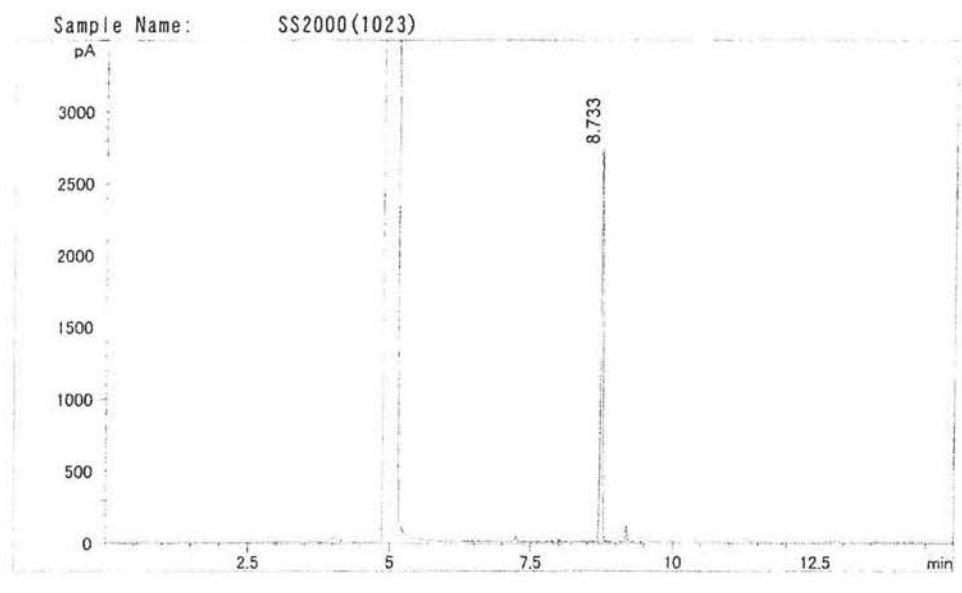
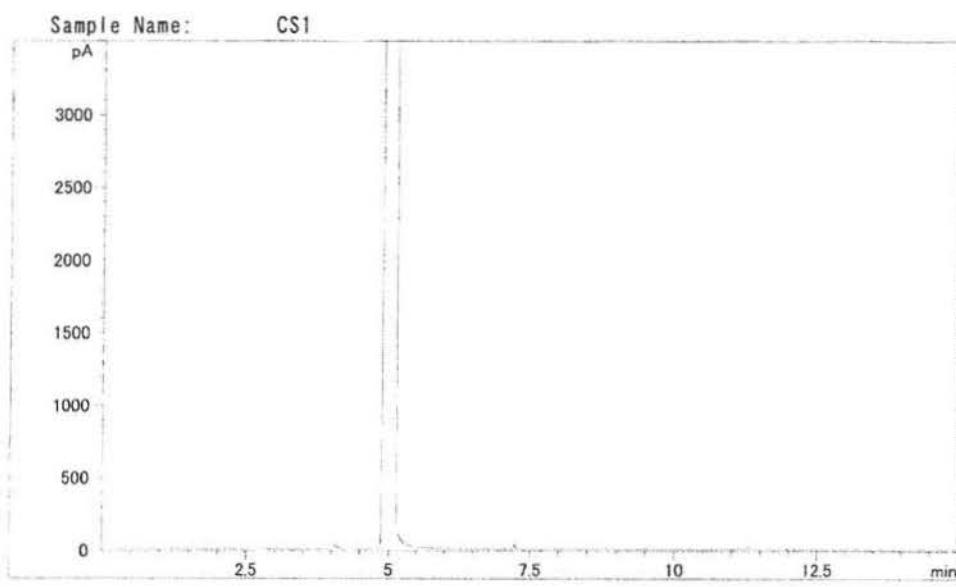


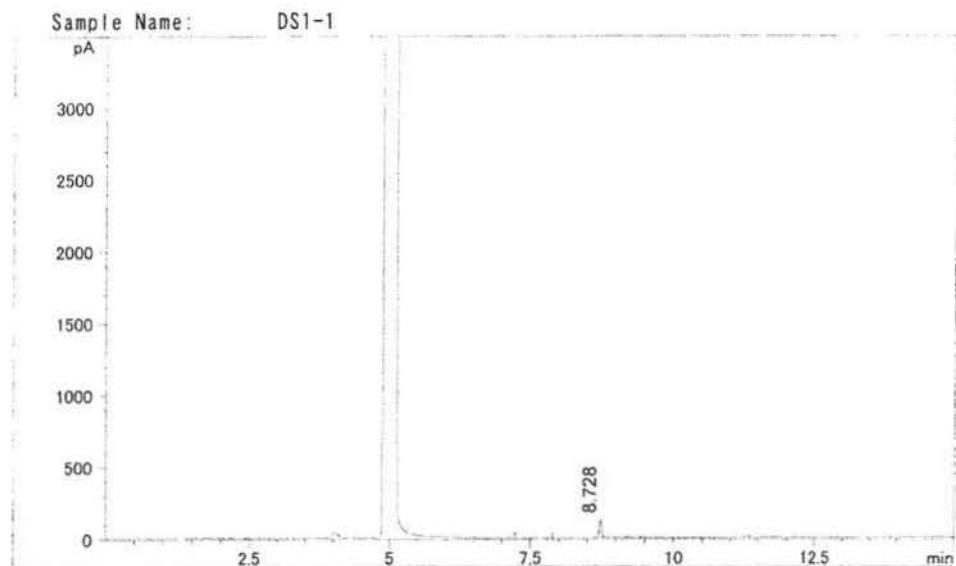
Fig. 10 Typical chromatogram of the standard solutions (No. SS2000(1023)).



&lt;Result&gt;

Name	Time(min)	Aera(pA*s)	Height	Area(%)
------	-----------	------------	--------	---------

Fig. 11 Typical chromatogram of the control solutions (No. CS1).

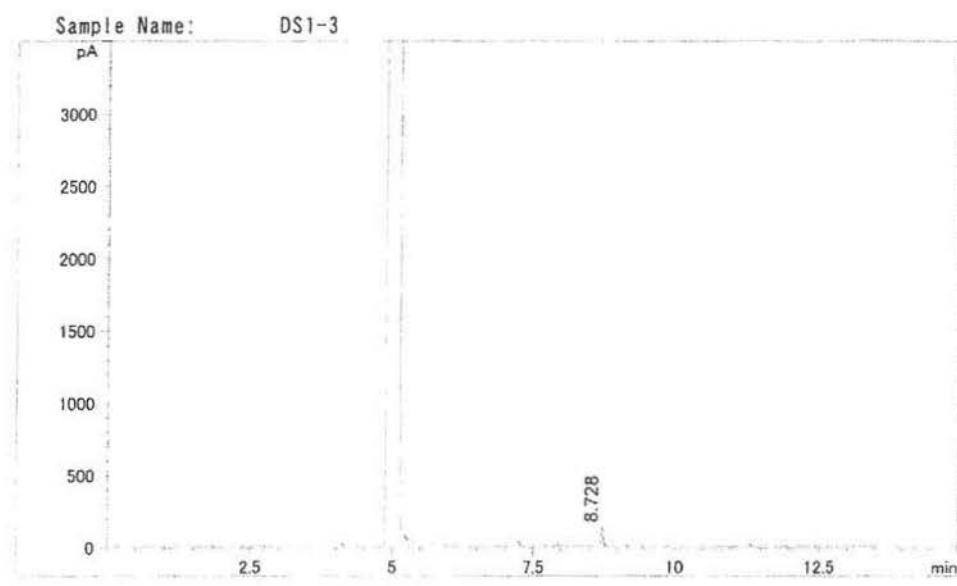


&lt;Result&gt;

Name	Time(min)	Aera(pA*s)	Height	Area(%)
------	-----------	------------	--------	---------

8.728	374.53		129.914	100.00
-------	--------	--	---------	--------

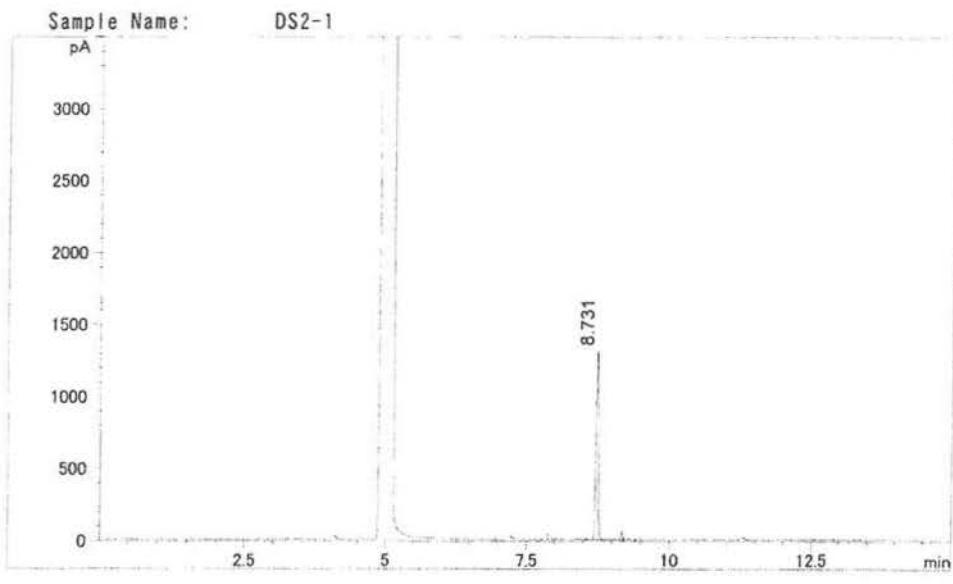
Fig. 12 Typical chromatogram of the test solutions (No. DS1-1).



## &lt;Result&gt;

Name	Time(min)	Aera(pA*s)	Height	Area(%)
	8.728	367.02	128.689	100.00

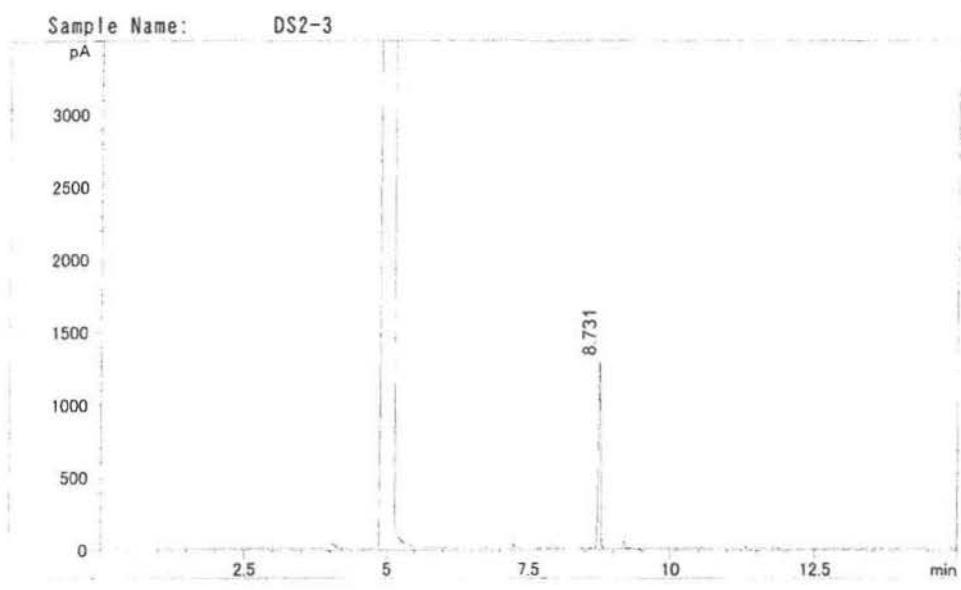
Fig. 13 Typical chromatogram of the test solutions (No. DS1-3).



## &lt;Result&gt;

Name	Time(min)	Aera(pA*s)	Height	Area(%)
	8.731	3734.47	1307.261	100.00

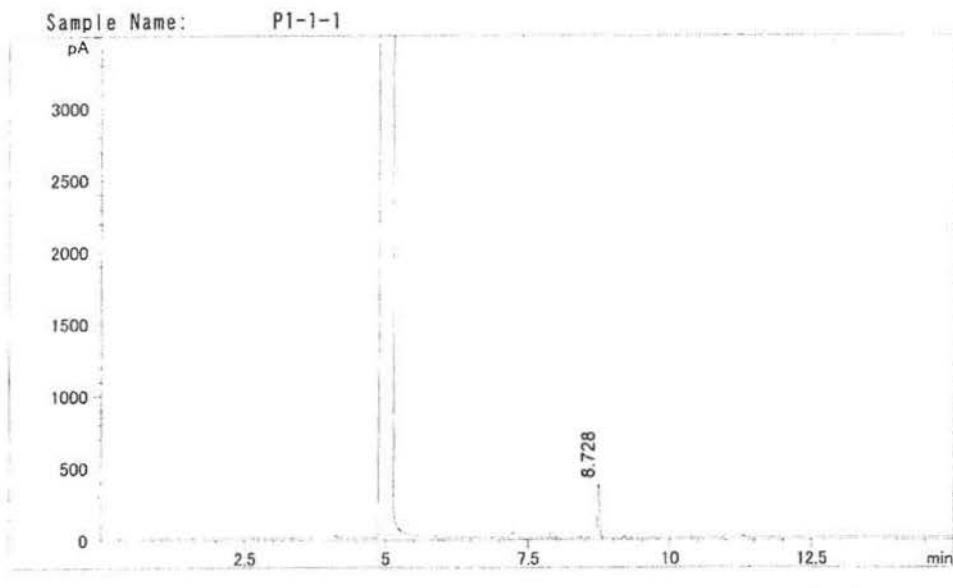
Fig. 14 Typical chromatogram of the test solutions (No. DS2-1).



## &lt;Result&gt;

Name	Time(min)	Aera(pA*s)	Height	Area(%)
	8.731	3657.45	1290.302	100.00

Fig. 15 Typical chromatogram of the test solutions (No. DS2-3).



## &lt;Result&gt;

Name	Time(min)	Aera(pA*s)	Height	Area(%)
	8.728	1075.03	373.435	100.00

Fig. 16 Typical chromatogram of the test solutions (No. P1-1-1).

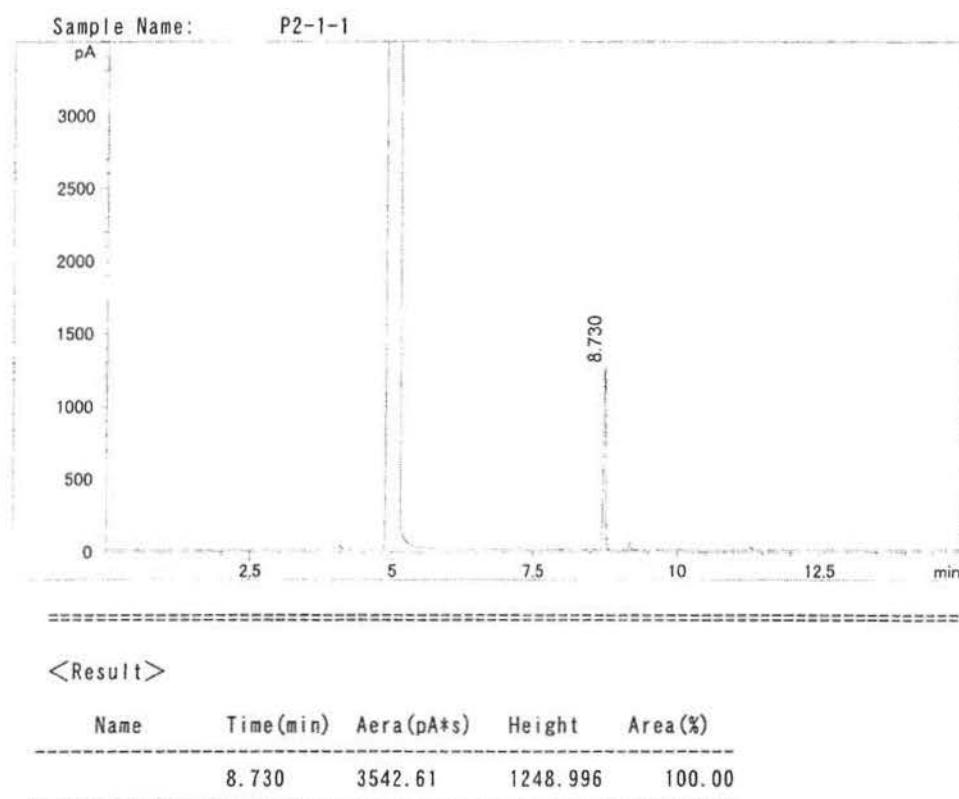


Fig. 17 Typical chromatogram of the test solutions (No. P2-1-1).

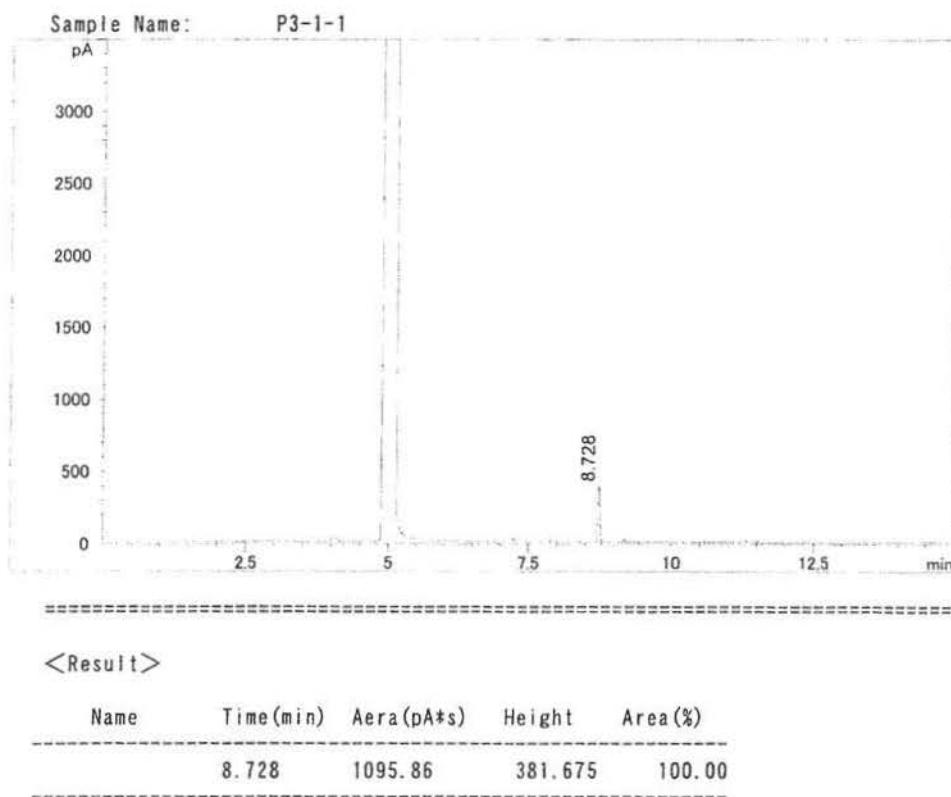


Fig. 18 Typical chromatogram of the test solutions (No. P3-1-1).