

最終報告書

表 題 : 2-Propenamide, N-[(2-methylpropoxy)methyl]- 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 : SR22109

株式会社化合物安全性研究所

試験責任者の署名

表 題: 2-Propenamide, N-[(2-methylpropoxy)methyl]- のラットにおける反復投与毒性・生殖発生
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2023 年 3 月 10 日

陳述書

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毒性併合試験

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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 (令和 2 年 11 月 5 日 薬生発 1105 第 2 号・20201015 製局第 1 号・環保企発第 2011055 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



2023 年 3 月 10 日

信頼性保証書

表題 : 2-Propenamide, N-[(2-methylpropoxy)methyl]- 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 : SR22109

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	2022 年 9 月 27 日	2022 年 9 月 27 日	2022 年 9 月 27 日
コンピュータプロトコール	2022 年 9 月 28 日	2022 年 9 月 28 日	2022 年 9 月 28 日
被験物質の管理	2022 年10 月 6 日	2022 年10 月 6 日	2022 年10 月 6 日
被験物質の安定性	2022 年10 月 6 日	2022 年10 月 6 日	2022 年10 月 6 日
被験物質の安定性*	2022 年10 月 7 日	2022 年10 月 7 日	2022 年10 月 7 日
被験物質のサンプリング	2022 年10 月 7 日	2022 年10 月 7 日	2022 年10 月 7 日
投与液の調製	2022 年10 月 17 日	2022 年10 月 17 日	2022 年10 月 17 日
投与液の分析	2022 年10 月 17 日	2022 年10 月 17 日	2022 年10 月 17 日
投与	2022 年10 月 19 日	2022 年10 月 19 日	2022 年10 月 19 日
性周期検査	2022 年10 月 19 日	2022 年10 月 19 日	2022 年10 月 19 日
詳細な状態観察	2022 年10 月 25 日	2022 年10 月 25 日	2022 年10 月 25 日
生殖能検査 (交配)	2022 年11 月 1 日 2022 年11 月 2 日	2022 年11 月 2 日	2022 年11 月 2 日
機能検査	2022 年11 月 9 日	2022 年11 月 9 日	2022 年11 月 9 日
尿検査	2022 年11 月 13 日 2022 年11 月 14 日	2022 年11 月 14 日	2022 年11 月 14 日
採血	2022 年11 月 16 日	2022 年11 月 16 日	2022 年11 月 16 日
血液学的検査	2022 年11 月 16 日	2022 年11 月 16 日	2022 年11 月 16 日
剖検・器官重量測定	2022 年11 月 16 日	2022 年11 月 16 日	2022 年11 月 16 日
血液化学的検査	2022 年11 月 22 日	2022 年11 月 22 日	2022 年11 月 22 日
分娩および哺育状態観察	2022 年11 月 24 日	2022 年11 月 24 日	2022 年11 月 24 日
新生児の一般状態観察	2022 年11 月 24 日	2022 年11 月 24 日	2022 年11 月 24 日
新生児の体重測定	2022 年11 月 24 日	2022 年11 月 24 日	2022 年11 月 24 日
血液化学的検査	2022 年11 月 25 日	2022 年11 月 25 日	2022 年11 月 25 日
哺育児数の調整	2022 年11 月 28 日	2022 年11 月 28 日	2022 年11 月 28 日
新生児の肛門生殖突起間距離の計測	2022 年11 月 28 日	2022 年11 月 28 日	2022 年11 月 28 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
病理組織学的検査 (標本作製)	2022 年11 月 21 日 2022 年11 月 22 日 2022 年11 月 28 日	2022 年11 月 28 日	2022 年11 月 28 日
新生児の乳頭数の計測	2022 年12 月 7 日	2022 年12 月 7 日	2022 年12 月 7 日
新生児の血清採取	2022 年12 月 7 日	2022 年12 月 7 日	2022 年12 月 7 日
新生児の剖検	2022 年12 月 7 日	2022 年12 月 7 日	2022 年12 月 7 日
病理組織学的検査 (鏡検)	2022 年12 月 8 日	2022 年12 月 8 日	2022 年12 月 8 日
試験計画書変更書 (No.1)	2022 年12 月 26 日	2022 年12 月 26 日	2022 年12 月 26 日
試験計画書変更書 (No.2)	2023 年 1 月 20 日	2023 年 1 月 20 日	2023 年 1 月 20 日
生データ	2023 年 2 月 14 日 2023 年 2 月 15 日 2023 年 2 月 16 日 2023 年 2 月 17 日 2023 年 2 月 20 日	2023 年 2 月 20 日	2023 年 2 月 20 日
最終報告書 (草案) : 図表	2023 年 2 月 14 日 2023 年 2 月 15 日 2023 年 2 月 16 日 2023 年 2 月 17 日 2023 年 2 月 20 日	2023 年 2 月 20 日	2023 年 2 月 20 日
生データ*	2023 年 2 月 21 日	2023 年 2 月 21 日	2023 年 2 月 21 日
最終報告書 (草案) : 図表*	2023 年 2 月 21 日	2023 年 2 月 21 日	2023 年 2 月 21 日
生データ	2023 年 2 月 21 日 2023 年 2 月 22 日 2023 年 2 月 24 日	2023 年 2 月 24 日	2023 年 2 月 24 日
最終報告書 (草案) : 本文	2023 年 2 月 21 日 2023 年 2 月 22 日 2023 年 2 月 24 日	2023 年 2 月 24 日	2023 年 2 月 24 日
生データ*	2023 年 2 月 27 日	2023 年 2 月 27 日	2023 年 2 月 27 日
最終報告書 (草案) : 本文*	2023 年 2 月 27 日	2023 年 2 月 27 日	2023 年 2 月 27 日
最終報告書	2023 年 3 月 10 日	2023 年 3 月 10 日	2023 年 3 月 10 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	2022 年 9 月 27 日	2022 年 9 月 27 日	2022 年 9 月 27 日

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
群分け	2022 年 9 月 27 日	2022 年 9 月 27 日	2022 年 9 月 27 日
一般状態観察	2022 年 9 月 27 日	2022 年 9 月 27 日	2022 年 9 月 27 日
体重測定	2022 年 9 月 27 日	2022 年 9 月 27 日	2022 年 9 月 27 日
摂餌量測定	2022 年 9 月 27 日	2022 年 9 月 27 日	2022 年 9 月 27 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

 2023 年 3 月 10 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	7
表題	10
試験番号	10
試験目的	10
試験実施基準および試験法ガイドライン	10
動物愛護	10
試験委託者	11
試験施設	11
試験責任者	11
試験従事者およびその業務分担	11
試験日程	11
1 要約	13
2 緒言	14
3 材料および方法	14
4 成績	34
5 考察	44
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	46
7 資料の保存	46
8 参考資料	47
Figures	
1-1 ~ 1-3 Body weight	48
2-1 ~ 2-3 Food consumption	51
3 Body weight of offspring	54
Tables	
1-1 ~ 1-8 Clinical signs	55
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 ~ 6-3	Grip strength	84
7-1 ~ 7-3	Motor activity measurements	87
8-1 ~ 8-7	Body weight	90
9-1 ~ 9-7	Food consumption	97
10-1 ~ 10-21	Urinary findings	104
11-1 ~ 11-5	Hematological findings	125
12-1 ~ 12-7	Biochemical findings	130
13-1 ~ 13-5	Serum T4 concentration	137
14-1 ~ 14-7	Necropsy findings	142
15-1 ~ 15-7	Organ weight	149
16-1 ~ 16-30	Histopathological findings	156
17	Estrous cycles	186
18-1, 18-2	Reproductive performance	187
19-1, 19-2	Delivery data	189
20	Clinical signs of offspring	191
21	Litter size and viability index of offspring	192
22	Litter data on body weight of offspring	193
23	Litter data on anogenital distance of offspring	194
24	Litter data on nipple retention of male offspring	195
25	Serum T4 concentration of offspring	196
26	Necropsy findings of offspring	197
Appendices		
1-1 ~ 1-28	Clinical signs	198
2-1 ~ 2-70	Detailed clinical observation (in the cage)	226
3-1 ~ 3-70	Detailed clinical observation (on the hand)	296
4-1 ~ 4-70	Detailed clinical observation (in the open field)	366
5-1 ~ 5-10	Functional observations (on the desk)	436
6-1 ~ 6-10	Grip strength	446
7-1 ~ 7-10	Motor activity measurements	456
8-1 ~ 8-22	Body weight	466
9-1 ~ 9-22	Food consumption	488

10-1 ~ 10-30	Urinary findings	510
11-1 ~ 11-14	Hematological findings	540
12-1 ~ 12-14	Biochemical findings.....	554
13-1 ~ 13-14	Serum T4 concentration	568
14-1 ~ 14-15	Necropsy findings	582
15-1 ~ 15-20	Organ weight	597
16-1 ~ 16-17	Histopathological findings	617
17-1 ~ 17-8	Estrous cycles and copulation.....	634
18-1 ~ 18-8	Reproductive performance	642
19-1 ~ 19-8	Delivery data	650
20-1 ~ 20-15	Clinical signs of offspring	658
21-1 ~ 21-4	Litter size and viability index of offspring	673
22-1 ~ 22-4	Litter data on body weight of offspring.....	677
23-1 ~ 23-4	Litter data on anogenital distance of offspring	681
24-1 ~ 24-4	Litter data on nipple retention of male offspring.....	685
25-1 ~ 25-4	Serum T4 concentration of offspring	689
26-1 ~ 26-4	Necropsy findings of offspring	693

Annexes

1	試験成績書 N-(Isobutoxymethyl)acrylamide	697
2	CERTIFICATE OF ANALYSIS – Stability of test article (Certification No. 2230)	698
3	CERTIFICATE OF ANALYSIS – Stability test (Certificate of analysis No. 2215).....	699
4-1, 4-2	CERTIFICATE OF ANALYSIS – Confirmation test of concentration (Certificate of analysis Nos. 2216 and 2224).....	700
5	投与液 (調製液) の濃度分析方法	702

表題

2-Propenamide, N-[(2-methylpropoxy)methyl]- 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

SR22109

試験目的

2-Propenamide, N-[(2-methylpropoxy)methyl]- 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・環境企発第 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・環境企発第 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 (令和 2 年 11 月 5 日薬生発 1105 第 2
号・20201015 製局第 1 号・環境企発第 2011055 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 令和元年 6 月 19 日 法律第 39 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程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

1) 管理責任者

被験物質 : ■■■■■
動物飼育 : ■■■■■

2) 分担責任者

化学分析 : ■■■■■
病理検査 : ■■■■■

試験日程

試験開始日 : 2022 年 9 月 27 日
動物受入 : 2022 年 9 月 28 日
群分け : 2022 年 10 月 18 日
投与開始 (実験開始) : 2022 年 10 月 19 日
交配開始 : 2022 年 11 月 1 日

雄動物およびサテライト群雌動物投与終了：

2022 年 11 月 15 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：

2022 年 11 月 16 日

母動物分娩開始：2022 年 11 月 24 日

生後 4 日児数調整開始：2022 年 11 月 28 日

サテライト群雄および雌動物（回復終了時剖検例）剖検：

2022 年 11 月 30 日

生後 13 日新生児剖検開始：

2022 年 12 月 7 日

母動物剖検開始：2022 年 12 月 8 日

実験終了日：2023 年 2 月 13 日

試験終了日：2023 年 3 月 10 日

1 要約

2-Propenamide, N-[(2-methylpropoxy)methyl]- の反復投与による影響、生殖および新生児の発生に及ぼす影響について検討する目的で、ラットにおける反復投与毒性・生殖発生毒性併合試験を実施した。1群雌雄各12匹のCrI:CD(SD)ラットに、被験物質の0(媒体対照, トウモロコシ油), 12, 40 および 120 mg/kg を、雄に対しては交配開始14日前から計28日間、雌に対しては交配前, 交配および妊娠期間を含む哺育13日までの期間経口投与した(最長62日間)。また, 0(対照) および 120 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

120 mg/kg 群では, 雌雄とも, 投与期間を通じて体重, 体重増加量および摂餌量に低値がみられた。雄および非交配群の雌では加えて, 血液(化)学的検査で赤血球数, ヘモグロビン濃度およびヘマトクリット値に有意な低値がみられ, 血清中 T4 濃度の高値がみられた。主試験群の雌では加えて, 哺育1日に瀕死のため安楽死させた動物が1例みられた。一般状態では哺育期間に歩行異常がみられ, 詳細な状態観察では運動協調性の異常が観察された。哺育13日の機能検査では後肢の握力の低下がみられた。その他の検査項目には変化はみられなかった。40 mg/kg 群では, 雄の投与期間中の体重および体重増加量に有意な低値または低値傾向がみられた。12 mg/kg 群では, 雌雄とも検査したいずれの項目にも変化はみられなかった。

回復群では, 投与期間中にみられた変化はいずれも程度が軽減するか回復が認められた。

以上のことから, 本試験条件下における 2-Propenamide, N-[(2-methylpropoxy)methyl]- の反復投与毒性に関する無毒性量 (NOAEL) は雄で 12 mg/kg/day, 雌で 40 mg/kg/day と考えられた。

1.2 生殖発生毒性

親動物では, 120 mg/kg 群で, 雌雄の受胎率の低下がみられ, 出産時の生存児数および死亡児数の増加がみられた。哺育4日までの哺育途中に全哺育児死亡が3腹みられた。その他の検査項目には変化はみられなかった。12 および 40 mg/kg 群では, 検査したいずれの項目にも, 被験物質投与に関連する変化はみられなかった。

新生児では, 120 mg/kg 群で, 生存率の低下, 雌雄の体重の低値および肛門生殖突起間距離の短縮がみられた。その他の検査項目には変化はみられなかった。40 mg/kg 群では, 雌雄の体重および生後4日の生存率に低値がみられた。12 mg/kg 群では, 検査したいずれの項目にも変化はみられなかった。

以上のことから, 本試験条件下における 2-Propenamide, N-[(2-methylpropoxy)methyl]- 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) はそれぞれ 40 および 12 mg/kg/day と考えられた。

2 緒言

この試験の目的は、2-Propenamide, N-[(2-methylpropoxy)methyl]- を雌雄ラットへ反復投与して、一般毒性、雌生殖および新生児の発生に及ぼす影響について検討することであった。

2-Propenamide, N-[(2-methylpropoxy)methyl]- の 0 (媒体対照, トウモロコシ油), 12, 40 および 120 mg/kg を, 1 群雌雄各 12 匹の CrI:CD(SD) ラットに, 雄に対しては計 28 日間, 雌に対しては哺育 13 日までの期間経口投与した。0 および 120 mg/kg については, 雌各 10 匹の非交配群を別に設けた。28 日間の投与終了後, 雄は各 5 匹を選抜して, 雌は非交配群の各 5 匹について, 14 日間の回復性を検討した。

3 材料および方法

3.1 被験物質

名称 : 2-Propenamide, N-[(2-methylpropoxy)methyl]-

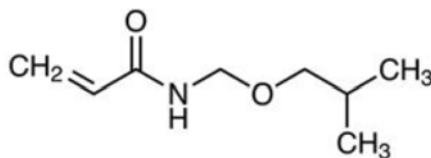
別名¹⁾ : N-(Isobutoxymethyl)acrylamide

IBMA

CAS 番号 : 16669-59-3

官報公示整理番号¹⁾ : (2)-1070; (2)-1021

構造式²⁾ :



化学式¹⁾ : C₈H₁₅NO₂

分子量²⁾ : 157.21

物理化学的性質¹⁾ : 外観 ; 無色透明液体 (Annex 1)

比重 ; 0.97

沸点 ; 100°C/0.004Pa

蒸気圧 ; 2.7kPa/32°C

純度 : 98.2% (臭素法) (Annex 1)

ロット番号 : [REDACTED]

製造者・供給者 : [REDACTED] ; [REDACTED]

[REDACTED] [REDACTED] [REDACTED] [REDACTED]

試験施設受領日 : 2022 年 7 月 15 日

安定性 : 投与期間中の安定性を確認するために, 投与開始前および投与終了後にフーリエ変換赤外分光装置 (FT-IR, Nicolet iS10, Thermo Fisher

Scientific K.K.) を用いて ATR 法により被験物質の赤外線吸収スペクトル (IR) を測定した。その結果、投与操作終了後のスペクトルは被験物質の使用開始前のスペクトルと同様であったことから投与期間中の被験物質は安定性が確認された (Annex 2)。

保存場所および保存期間：

被験物質保存室；2022 年 7 月 15 日 (試験施設受領)～2023 年 1 月 10 日 (安定性分析)

保存条件¹⁾：冷蔵 (実測範囲 2.1～7.7℃)，気密，遮光，不活性ガス充填

被験物質管理責任者からの移管量：

194 g (100 mL × 2 本)

使用量：115.6765 g

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。

サンプリング：約 5 g (実測値 5.0089 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：ナカライテスク株式会社

選定理由：被験物質が水に難溶であるとの情報から，SR22109P の試験開始前にトウモロコシ油を用いて投与液の調製検討を実施した結果，100 mg/mL の濃度で完全に溶解して透明な溶液になることを目視で確認したため。

ロット番号：V2K1959

使用/有効期限：2027 年 9 月 12 日

保存場所および保存期間：

被験物質保存室；2022 年 9 月 13 日 (試験施設受領)～2022 年 12 月 15 日 (最終回調製)

保存条件：室温 (実測範囲 21.2～23.7℃) で保存した。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。

被験物質管理責任者からの移管量：

500 g × 35 本

使用量：500 g × 31 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、媒体を加えて所定量にメスアップし、スターラーにて溶解させた。投与液の調製に必要な被験物質量を算出する際に、純度補正は行わなかった。
- 調製頻度 : 調製液は3～8日の間隔で10回調製し、9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 ; 2022年10月7日 (安定性分析用調製) ~ 2022年12月19日 (最終回投与)
- 保存条件 : 遮光気密容器に入れ、冷蔵 (実測範囲 2.1 ~ 7.7°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。
- 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 : 2.4 および 24 mg/mL の濃度の調製液について、冷蔵保存9日間 (調製日を0日として起算) 後、室温で19時間後の安定性を分析した。分析の結果、保存後の残存率が 100.4 および 99.2% (判定基準 100 ± 10% 以内) であり、保存期間中の安定性が確認された (Annex 3)。
- 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分析した。分析の結果、含有率が表示濃度の 98.8 ~ 101.4% (判定基準 100 ± 10% 以内), RSD が 0.2 ~ 2.4% (判定基準 5.0% 以下) の範囲内にあり、いずれの調製液の濃度も適切であることが確認された (Annexes 4-1 and 4-2)。
- 濃度分析方法 : Annex 5 に示す。

3.4 試験系

- 種・系統 : ラット, Crl:CD(SD)
- 微生物統御 : SPF
- 生産業者 : ジャクソン・ラボラトリー・ジャパン株式会社
- 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 74 匹 (未経産, 非妊娠)
- 受入動物週齢 : 雌雄とも 8 週齢
- 出荷体重基準 : 雄 240 ~ 330 g, 雌 160 ~ 230 g

受入時体重範囲	: 雄 268 ~ 296 g, 雌 184 ~ 216 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 (ただし, 雄は主試験群から選抜)

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. 検疫期間中は, いずれの動物にも異常はみられなかった. 馴化 15 日に, 雄 1 例 (識別番号 1039) の死亡がみられた. この動物の剖検では異常所見はみられなかった. その他の動物の一般状態および体重には異常はみられなかった.
性周期検査	: 雌動物について, 性周期検査を陰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 (識別番号 5051, 5061) に性周期の異常がみられた他は, いずれの動物にも異常はみられなかった.

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から, 性周期異常の雌 2 例を除いて, 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 358 ~ 472 g, 雌で 242 ~ 290 g であり, 平均体重 (雄 414.0 g, 雌 266.6 g) の $\pm 20\%$ 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 (SOP) 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.
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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 $20 \sim 22^{\circ}\text{C}$), $50 \pm 20\%$ (実測範囲 $41 \sim 56\%$)
 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 : ブ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, ロット番号 220310, ジャクソン・ラボラトリー・ジャパン株式会社) 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 回以上実施した.

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：雌の哺育期間を除き、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。主試験群の雌は妊娠・哺育期間に使用し、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：220304，220511，220603

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・テストイング株式会社（分析報告書：Nos. AR-22-YP-001260-01- JA, AR-22-YP-002080-01- JA, AR-22-YP-002414-01-JA）および飼料製造業者（分析試験報告書：Nos. 21G03-121, 22G03-012, 22G03-025）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 SOP 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、2022 年 7 月 5 日および 2023 年 1 月 5 日に当該飼育室配管から試料を採取して分析した。分析は日本衛生株式会社（水質検査結果表：Nos. A221399, A225216）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 SOP 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), 12, 40 および 120 mg/kg/day

設定理由 : 用量設定試験 (SR22109P)³⁾では, 雌雄各 3 匹の SD 系ラットに被験物質を 0, 40, 80, 150 および 300 mg/kg/day の用量で 14 日間反復経口投与した。その結果, 300 mg/kg 群では, 雌雄とも, 投与 3 日の投与後に一般状態の変化として振戦, 歩行異常または流涎等がみられ, 顕著な体重減少もみられていることを考慮し, 予後不良と判断して全例を安楽死させた。150 mg/kg 群では, 雌雄とも, 一般状態に変化はみられなかったが, 体重, 体重増加量および摂餌量に有意な低値または低値傾向がみられた。血液学的検査では, 雄の HGB, HCT および網赤血球数に有意な低値がみられた。器官重量では, 雄の脾臓重量の低値がみられた。血液化学的検査および剖検では, 変化は認められなかった。80 mg/kg 群では, 雌雄とも, 体重または摂餌量に有意な低値または低値傾向がみられた。その他の項目には変化はみられなかった。40 mg/kg 群では, いずれの検査項目にも変化はみられなかった。以上のことから, 本試験では, 投与期間の延長を考慮し, 毒性変化の予測される 120 mg/kg/day を高用量とし, 以下公比約 3 として 40 および 12 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	12	2.4	5.0	12 (10201~10212)	12 (50251~50262)	緑
中用量	40	8	5.0	12 (10301~10312)	12 (50351~50362)	青
高用量	120	24	5.0	12 (10401~10412)	12 (50451~50462)	赤

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
＜サテライト群＞						
対照(投与終了時剖検例)	0	0	5.0		5 (50551~50555) ^b	白
(回復終了時剖検例)	0	0	5.0	5 (10103, 10106, 10109, 10110, 10111) ^a	5 (50556~50560) ^b	白
高用量(投与終了時剖検例)	120	24	5.0		5 (50651~50655) ^b	赤
(回復終了時剖検例)	120	24	5.0	5 (10402, 10405, 10408, 10410, 10412) ^a	5 (50656~50660) ^b	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ディスポーザブルシリンジ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	：8：58～12：06
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。

投与経路，投与方法，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 parturition) 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。

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・くびふり），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 22 日）に実

施した。投与 4 週の検査の結果、主試験群の雄およびサテライト群の雌のいずれにも被験物質投与に関連する変化はみられなかったことから、回復 2 週の検査は実施しなかった。

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, 上述 [1] および [2] の検査に引き続き, 各動物について, 10 分間隔 (0 ~ 10, 10 ~ 20, 20 ~ 30, 30 ~ 40, 40 ~ 50 および 50 ~ 60 分) 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い交尾成立例は妊娠 26 日 (剖検日) に測定した。衰弱による安楽死例については安楽死させた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 ;

体重増加量 (g) = 投与 28 日体重 (g) - 投与 1 日体重 (g)

回復期間；

体重増加量 (g) = 回復 14 日体重 (g) - 回復 1 日体重 (g)

<主試験群の雌>

交配前投与期間；

体重増加量 (g) = 投与 14 日体重 (g) - 投与 1 日体重 (g)

妊娠期間；

体重増加量 (g) = 妊娠 20 日体重 (g) - 妊娠 0 日体重 (g)

哺育期間；

体重増加量 (g) = 哺育 13 日体重 (g) - 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) を用いて各ケージの給餌量および／または残餌量を測定した。

次式より, 1 匹あたりの 1 日の平均摂餌量 (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。

摂餌量 (g/day) = [給餌量 (g) - 残餌量 (g)] / 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 26～27 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 × g, 5 分, 4℃) して検査した。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 (動物用イソフルラン, マイラン製薬株式会社) 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安楽死例を除く全例実施した. 初めに, 主試験群の雄の T4 濃度の測定を実施した. その結果, 主試験群 120 mg/kg 投与群の雄で有意な変化がみられたため, 主試験群の雌およびサテライト群の雌雄についても, T4 濃度を測定した.

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 (16～19 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], [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 $2000 \times g$, 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 $2000 \times g$, 10 分, 4°C) して得られた血清を用いて検査した. 得られた血清および血漿は, 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, 測定時に融解して [21] の項目に用いた. 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)	IFCC 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-Cho)	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-GLDH 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 α_1 -グロブリン (α_1 -G, %)	
	3 α_2 -グロブリン (α_2 -G, %)	
	4 β -グロブリン (β -G, %)	
	5 γ -グロブリン (γ -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

[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ー SH-1200, コロナ電気株式会社

3.10.1.9 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, 妊娠 25 日まで分娩が認められない交尾成立例は妊娠 26 日に実施した。哺育 1 日から 13 日の間に哺育児が全て死亡した例は分娩後 14 日に実施した。また, 衰弱例は安楽死させた日に実施した。

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, 脾臓, 顎下腺, 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, 精巣, 精巣上体, 前立腺, 精囊 (凝固腺含む), 卵巣, 子宮 (角部および頸部), 膣, 眼球およびハーダー腺, 乳腺 (右腹部), 大腿骨 (骨髄を含む, 右), 腸間膜リンパ節, 下顎リンパ節, 骨格筋 (大腿二頭筋, 右), および坐骨神経 (右)

3.10.1.10 器官重量測定

例数 : 途中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・デイ) 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, 精巣, 精巣上体, 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)

$$=[\text{絶対重量 (g または mg)} / \text{剖検日体重 (g)}] \times 100$$

3.10.1.11 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 (不妊例および安楽死例含む) 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。また, 交配相手の雌が不妊であったサテライト群の雄の全器官・組織に

についても鏡検した。鏡検の結果、高用量群に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、主試験群の低用量および中用量群ならびに回復群の検査は実施しなかった。

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。

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
 交配組み合わせ : 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（交配開始日）の夕刻から、交配に組み合わせた雌雄を、交尾が確認されるまで最長13日間連続同居させた。
 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。
 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50452, 50456, 50457, 50458については、剖検時に子宮内の着床痕が確認されなかっ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。次式から群毎に
 出産率を算出した。

$$\text{出産率 (\%)} = (\text{正常出産雌数} / \text{妊娠雌数}) \times 100$$
- 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、分娩率および生存児の外表異常児出現率を腹毎に、外表異常児を持つ腹の頻度を群毎に算出した。

$$\text{分娩率 (\%)} = (\text{生後 0 日の出産児数} / \text{着床数}) \times 100$$

$$\text{外表異常児出現率 (\%)} = (\text{外表異常児数} / \text{出產生児数}) \times 100$$

$$\text{外表異常児を持つ腹の頻度} = \text{外表異常児を持つ腹数} / \text{正常出産雌数}$$
- 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、群毎に以下を算出した。

$$\text{生存出産児の性比 (\%)} = (\text{雄生存出産児数} / \text{生存出産児数}) \times 100$$

$$\text{出産児の性比 (\%)} = (\text{雄出産児数} / \text{出産児数}) \times 100$$

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。1 腹の哺育児数が 8 匹以下の場合は、そのまま哺育させた。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 (Pentobarbital Sodium Salt,

東京化成工業株式会社) を 60 mg/mL 含有する溶液の腹腔内注射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。

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。

$$\text{生後 0 日生存率 (\%)} = (\text{生後 0 日生存児数} / \text{出産児数}) \times 100$$

$$\text{生後 4 日生存率 (\%)} = (\text{生後 4 日生存児数} / \text{生後 0 日生存児数}) \times 100$$

$$\text{生後 13 日生存率 (\%)} = (\text{生後 13 日生存児数} / \text{生後 4 日に選抜した児数}) \times 100$$

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, 0.1 g 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 (AGD)

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, 個々の平均肛門生殖突起間距離を体重の立方根で除した値を求め, 雌雄別に腹あたりの平均を求めた。

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。ただし、採血の対象となる生存児が 1 匹の場合は 1 匹から血清を採取し、対象となる生存児がいない場合は血清の採取は行わなかった。

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 : 生存児を断頭により安楽死させ、遠沈管に血液を腹毎に採取してプールし、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、原則としてポリプロピレン製チューブ 2 本に約 $50 \mu\text{L}$ ずつ (生後 4 日) または 4 本に約 $100 \mu\text{L}$ 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 ($n=2$)。生後 13 日の新生児の T4 濃度の測定の結果、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を 60 mg/mL 含有する溶液の腹腔内注射により安楽死させ、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。ただし、新生児の生後 4 日の生存率については別途統計解析システム (三研システム株式会社) および SAS システム (SAS Institute Inc.) 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、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、分娩率、妊娠期間ならび

に新生児の雌雄別体重、肛門生殖突起間距離、T4 濃度、乳頭数、外表異常児出現率および生存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被験物質投与群の間の有意差を検出した。

Kruskal-Wallis 法の解析の結果、有意差がみられた場合 ($p < 0.1$) は Steel の検定法を用いた。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被験物質投与群の間の有意差を検出した。

性周期の異常の発現率、交尾率、受胎率、出産率、生後 0 日の出産児および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高用量群の間の有意差を検出した。

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高用量群の間の有意差を検出した。

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、T4 濃度、器官重量ならびに病理組織学的検査のデータを統計検定から除外した。また、哺育期間中に哺育児が全て死亡した雌動物については、その事象が発生した時点以降の体重、体重増加量および摂餌量ならびに T4 濃度、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。試験途中に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。ただし、主試験群の雌を除く)、体重、摂餌量 (雌のサ

テライト群の投与 14 日の給餌量を除く), 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

オフラインデータ ; 機能検査 (自発運動量), 機能検査 (主試験群の雌の刺激に対する感覚運動反応および握力), 摂餌量 (雌のサテライト群の投与 14 日の給餌量), 尿検査, 血液学的検査 (PT, APTT), 血液化学的検査 (T4 濃度), 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, ならびに新生児の一般状態, 外表異常, 性別, 肛門生殖突起間距離および乳頭数

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. なお, オンラインにより生データを収集する際, 不測の事態が発生した時に, オフラインで作業を実施した.

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 ~ 1-8, Appendix 1-1 ~ 1-28 に示す.

[投与期間]

(1) 雄: 主試験群

対照群および被験物質投与群では, いずれの動物にも異常はみられなかった.

(2) 雌: 主試験群

対照群ならびに 12 および 40 mg/kg 群では, 交配前期間, 妊娠期間および哺育期間を通じて, いずれの動物にも異常はみられなかった.

120 mg/kg 群では, 交配前および妊娠期間中には一般状態の変化はみられなかったが, 哺育 1 日に, 1 例 (動物番号 50455) で, 全哺育児が死亡しており, 歩行異常, 振戦, 緩徐呼吸, 蒼白, 外尿道口周囲被毛汚染がみられ, 予後不良と判断して安楽死させた. その他の動物では, 哺育 4 日以降に歩行異常が 7 例中 6 例で観察された.

(3) 雌: サテライト群 (非交配群)

対照群および 120 mg/kg 群では, いずれの動物にも異常はみられなかった.

[回復期間]

(1) 雄: サテライト群

対照群および 120 mg/kg 群では, いずれの動物にも異常はみられなかった.

(2) 雌: サテライト群 (非交配群)

対照群および 120 mg/kg 群では, いずれの動物にも異常はみられなかった.

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

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みられなかった.

(2) 雌：主試験群

12 および 40 mg/kg 群では、投与期間中いずれの項目にも対照群と比較して有意な差はみられなかった.

120 mg/kg 群では、投与 49 日の検査において、運動協調性の異常が観察され、対照群の発現頻度より有意に増加した.

(3) 雌：サテライト群 (非交配群)

120 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みられなかった.

[回復期間]

(1) 雄：サテライト群

120 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みられなかった.

(2) 雌：サテライト群 (非交配群)

120 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みられなかった.

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 ~ 6-3, Appendix 6-1 ~ 6-10, 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)

被験物質投与群では、いずれの項目にも対照群と比較して有意な差はみられなかった.

(2) 雌：主試験群 (哺育 13 日)

12 および 40 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みられなかった.

120 mg/kg 群では、後肢の握力に対照群と比較して有意な低値がみられた. また、自発運動量において 20 ~ 30 分の間に対照群と比較して有意な低値がみられたが、その他の測定間隔および 1 時間の合計では有意な差は認められないことから、被験物質投与と関連しないと考えられた.

(3) 雌：サテライト群 (非交配群, 投与 4 週)

120 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みられなかった.

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

12 mg/kg 群では, 投与期間を通じて体重および体重増加量に対照群と比較して有意な差はみられなかった.

40 mg/kg 群では, 投与期間中の体重に統計学的な有意差はみられなかったものの, 投与 14 日以降低値の傾向がみられ, 投与期間中の体重増加量は対照群と比較して有意な低値であった.

120 mg/kg 群の体重は, 統計学的な有意差はみられなかったが, 投与期間を通じて対照群の値より低値で推移し, 投与期間中の体重増加量は有意な低値であった.

(2) 雌：主試験群

12 mg/kg 群では, 交配前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みられなかった. 妊娠期間には, 妊娠 14 日および体重増加量に有意な低値がみられたが, 一過性の変化あるいは用量に相関しないことから, 偶発的変動と考えられた.

40 mg/kg 群では, 交配前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みられなかった. 妊娠期間には, 妊娠 14 および 20 日に有意な低値がみられたが, 体重増加量には有意な差はみられず, 摂餌量の低下を伴っていないことから, 毒性学的意義のない変化と考えられた.

120 mg/kg 群では, 交配前期間の体重は統計学的な有意差はみられなかったが, 対照群より低値で推移し, 体重増加量は有意な低値であった. 妊娠期間中の体重は, 対照群より低値で推移し, 妊娠 7, 14, 20 日および体重増加量に有意な差がみられた. 哺育期間中の体重は, 期間を通じて有意な低値であった.

(3) 雌：サテライト群 (非交配群)

120 mg/kg 群の体重は, 投与期間を通じて対照群より低値で推移し, 投与 4, 21 および 28 日に有意な差がみられ, 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

120 mg/kg 群では, 回復 1 日の体重は対照群と比較して有意な低値であったが, 回復 7 および 14 日には有意な差はみられなかった. 回復期間中の体重増加量には有意な増加がみられた.

(2) 雌：サテライト群 (非交配群)

120 mg/kg 群では、回復期間を通じて対照群より低値で推移し、回復 1 および 7 日に有意な差がみられた。回復期間中の体重増加量は対照群より高値であった。

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

12 および 40 mg/kg 群では、摂餌量に対照群と比較して有意な差はみられなかった。

120 mg/kg 群では、投与 4 および 7 日に対照群と比較して有意な低値がみられた。

(2) 雌：主試験群

12 および 40 mg/kg 群では、交配前期間、妊娠期間および哺育期間の摂餌量に対照群と比較して有意な差はみられなかった。

120 mg/kg 群では、交配前期間の摂餌量には、投与 4 および 7 日に対照群と比較して有意な低値がみられた。妊娠期間および哺育期間の摂餌量は、期間を通じて対照群と比較して有意な低値であった。

(3) 雌：サテライト群 (非交配群)

120 mg/kg 群の摂餌量は、投与期間を通じて対照群より低値で推移し、投与 4 および 7 日に有意な差がみられた。

[回復期間]

(1) 雄：サテライト群

120 mg/kg 群の摂餌量には、回復 7 および 14 日も対照群と比較して有意な高値がみられた。

(2) 雌：サテライト群 (非交配群)

120 mg/kg 群の摂餌量には、対照群と比較して有意な差はみられなかった。

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

被験物質投与群では、いずれの項目にも対照群と比較して有意な差はみられなかった。

(2) 雌：サテライト群 (非交配群)

120 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みられなかった。

[回復 2 週]

(1) 雄：サテライト群

120 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みられなかった。

(2) 雌：サテライト群 (非交配群)

120 mg/kg 群では、尿量に対照群と比較して有意な低値がみられたが、投与 4 週の検査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。その他の項目には有意な変化はみられなかった。

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

12 および 40 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みられなかった。

120 mg/kg 群では、赤血球数、ヘモグロビン濃度およびヘマトクリット値に、対照群と比較して有意な低値がみられた。

(2) 雌：主試験群

被験物質投与群では、いずれの項目にも対照群と比較して有意な差はみられなかった。

(3) 雌：サテライト群 (非交配群)

120 mg/kg 群では、赤血球数、ヘモグロビン濃度およびヘマトクリット値に、対照群と比較して有意な低値がみられた。また、網赤血球数に有意な高値がみられた。

[回復期間終了時]

(1) 雄：サテライト群

120 mg/kg 群では、対照群と比較して網赤血球数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、関連項目に変化が認められないことから毒性学的意義はないと考えられた。

(2) 雌：サテライト群 (非交配群)

120 mg/kg 群では、対照群と比較して赤血球数および平均赤血球ヘモグロビン濃度に有意な低値がみられたが、ヘモグロビン濃度およびヘマトクリット値には有意な差はみられず回復性が認められた。また、血小板数およびプロトロンビン時間 (PT) 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、個々の値はいずれも試験施設の背景データ (血小板数, 平均値 $\pm$ SD 102.02 $\pm$ 11.37 $10^4/\mu\text{L}$, 最小値 $\sim$ 最大値 72.3 $\sim$ 124.7 $10^4/\mu\text{L}$; PT, 平均値 $\pm$ SD 16.34 $\pm$ 0.83 秒, 最小値 $\sim$ 最大値 14.4 $\sim$ 18.5 秒; 例数 69, 試験期間 2019 $\sim$ 2021 年)⁴⁾ の範囲内であり、関連項目に変化が認められないことから毒性学的意義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

12 および 40 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みられなかった.

120 mg/kg 群では、アルブミンに対照群と比較して有意な高値がみられたが、総蛋白と蛋白分画に変化はみられなかったことから、偶発的な変動と考えられた.

(2) 雌：主試験群

すべての被験物質投与群で総胆汁酸の有意な低値がみられた. しかし、肝機能に係わる他の項目に変化はみられず、個々の値は試験施設の背景データ (平均値 $\pm$ SD 28.65 $\pm$ 18.99 μ mol/L, 最小値～最大値 7.9～90.0 μ mol/L ; 例数 35, 試験期間 2019～2021 年)⁴⁾ の範囲内または近傍にあることから、被験物質投与との関連はないと考えられた. また、120 mg/kg 群では、対照群と比較してアルカリフォスファターゼ (ALP) に対照群と比較して有意な低値がみられたが、肝機能に係わる他の項目に変化が認められないことから、毒性学的意義のない変化と考えられた. また、トリグリセリド、尿素窒素およびクレアチニンの有意な低値がみられたが、これらの項目の低値について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.

(3) 雌：サテライト群 (非交配群)

120 mg/kg 群では、対照群と比較してクレアチニンに有意な低値がみられたが、この項目の低値について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, Cl, α 1-グロブリンに有意な低値がみられたが、他の電解質またはグロブリン分画に変化が認められな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

120 mg/kg 群では、総ビリルビンおよびクレアチニンに対照群と比較して有意な低値がみられたが、これらの項目の低値について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 および Cl の有意な低値がみられたが、投与期間終了時にはみられない変化であり、他の電解質に変化が認められないことから偶発的な変動と考えられた.

(2) 雌：サテライト群 (非交配群)

120 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、肝機能に係わる他の項目に変化が認められないことから、毒性学的意義のない変化と考えられた. また、K に有意な高値、蛋白分画の α 2-グロブリンに有意な低値、 γ -グロブリン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、他の電解質またはグロブリン分画に変化が認められないことから、偶発的な変動と考えられた.

4.1.9 血清 T4 濃度

血清 T4 濃度を Table 13-1 ~ 13-5, Appendix 13-1 ~ 13-14 に示す.

[投与期間終了時]

(1) 雄：主試験群

12 および 40 mg/kg 群では，血清 T4 濃度に対照群と比較して有意な差はみられなかった.

120 mg/kg 群では，対照群と比較して有意な高値がみられた.

(2) 雌：主試験群

雌親動物の血清 T4 濃度には，被験物質投与群と対照群の間に有意な差はみられなかった.

(3) 雌：サテライト群 (非交配群)

120 mg/kg 群の血清 T4 濃度には，対照群と比較して有意な高値がみられた.

[回復期間終了時]

(1) 雄：サテライト群

120 mg/kg 群では，対照群と比較して有意な差はみられなかった.

(2) 雌：サテライト群 (非交配群)

120 mg/kg 群では，対照群と比較して有意な差はみられなかった.

4.1.10 剖検

剖検所見を Table 14-1 ~ 14-7, Appendix 14-1 ~ 14-15 に示す.

[投与期間終了時]

(1) 雄：主試験群

対照群および被験物質投与群では，いずれの動物にも異常所見はみられなかった.

(2) 雌：主試験群

対照群ならびに 12 および 40 mg/kg 群では，いずれの動物にも異常所見はみられなかった.

120 mg/kg 群では，腺胃粘膜に暗赤色巣が 1 例に観察されたが，1 例のみの発現であることから，被験物質投与との関連はないと考えられた. また，同群で哺育 1 日に安楽死させた動物または不妊例には異常所見は認められなかった.

(3) 雌：サテライト群 (非交配群)

対照群および 120 mg/kg 群では，いずれの動物にも異常所見はみられなかった.

[回復期間終了時]

(1) 雄：サテライト群

対照群および 120 mg/kg 群ともに異常所見はみられなかった.

(2) 雌：サテライト群 (非交配群)

対照群および 120 mg/kg 群ともに異常所見はみられなかった.

4.1.11 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

12 および 40 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みられなかった.

120 mg/kg 群では、肝臓の相対重量に対照群と比較して有意な高値がみられた. その他に、心臓および精嚢の相対重量に有意な高値がみられたが、剖検時体重の有意な低値による二次的な変化と考えられた.

(2) 雌：主試験群

12 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みられなかった.

40 mg/kg 群では、腎臓の相対重量に有意な高値がみられたが、絶対重量には差はなかったことから、剖検時体重の低値傾向であることによる偶発的な変動と考えられた.

120 mg/kg 群では、腎臓の相対重量に有意な高値がみられた. また、脳の相対重量に有意な高値がみられたが、剖検時体重の有意な低値による二次的な変化と考えられた. その他に、脾臓の絶対重量に有意な低値、相対重量に低値傾向が、甲状腺の絶対重量に高値傾向、相対重量に有意な高値がみられたが、いずれも個々の値は試験施設の背景データ (脾臓：絶対重量, 平均値 $\pm$ SD 589.0 $\pm$ 81.6 mg, 最小値~最大値 433~787 mg, 相対重量, 平均値 $\pm$ SD 175.659 $\pm$ 23.358 mg/100 g BW, 最小値~最大値 122.32~241.67 mg/100 g BW : 甲状腺：絶対重量, 平均値 $\pm$ SD 17.94 $\pm$ 3.78 mg, 最小値~最大値 10.2~27.4 mg, 相対重量, 平均値 $\pm$ SD 5.355 $\pm$ 1.137 mg/100 g BW, 最小値~最大値 2.91~8.14 mg/100 g BW : 例数 77, 試験期間 2019~2021 年)⁵⁾の範囲内にあることと、病理組織学的異常は認められないことから、毒性学的意義はないと考えられた.

(3) 雌：サテライト群 (非交配群)

120 mg/kg 群では、肝臓の絶対および相対重量に対照群と比較して有意な高値がみられた. その他に、腎臓および心臓の相対重量に有意な高値、脾臓の絶対重量に有意な低値がみられたが、剖検時体重の有意な低値による二次的な変化と考えられた.

[回復期間終了時]

(1) 雄：サテライト群

120 mg/kg 群では、肝臓および腎臓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、絶対重量には差はなかったことから、毒性学的意義のない変化と考えられた.

(2) 雌：サテライト群 (非交配群)

120 mg/kg 群では、甲状腺の絶対重量に有意な低値がみられたが、相対重量には差はなかつ

たことから、剖検時体重の有意な低値による二次的な変化と考えられた。

4.1.12 病理組織学的検査

病理組織学的所見を Table 16-1 ~ 16-30, Appendix 16-1 ~ 16-17 に示す。

[投与期間終了時]

(1) 雄：主試験群

対照群では、心臓に限局性の炎症性細胞浸潤が 2 例 (軽微)、前立腺に間質の炎症が 3 例 (軽微)、甲状腺に鰓後体遺残が 2 例 (軽微) および眼球に限局性の網膜萎縮が 2 例 (軽微 1, 軽度 1) にみられた。

120 mg/kg 群では、腎臓に硝子円柱が 1 例 (軽微)、精巣上体に間質の炎症性細胞浸潤が 1 例 (軽微)、甲状腺に鰓後体遺残が 1 例 (軽微) および眼球に限局性の網膜萎縮が 1 例 (軽度) にみられた。しかし、これらは対照群または試験施設の背景データ⁶⁾に認められる所見であるか、あるいは発現頻度に対照群との間に有意な差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。

同群における雌が不妊だった動物では、心臓に限局性の炎症性細胞浸潤 (軽微)、前立腺に間質の炎症 (軽微) および眼球にびまん性の網膜萎縮 (軽度) が各 1 例みられたが、生殖能異常の原因と考えられる異常は認められなかった。

(2) 雌：主試験群

対照群では、肺に肺泡マクロファージ集簇が 1 例 (軽微)、限局性の出血が 1 例 (軽微)、腎臓に腎盂粘膜炎症性細胞浸潤が 1 例 (軽微)、胸腺に上皮遺残が 3 例 (軽微) および甲状腺に鰓後体遺残が 5 例 (軽微) にみられた。

120 mg/kg 群では、胃で剖検所見に対応して腺胃に潰瘍が 1 例 (軽度) にみられた。さらに、胸腺に上皮遺残が 2 例 (軽微) および甲状腺に鰓後体遺残が 1 例 (軽微) にみられた。しかし、これらは対照群または試験施設の背景データ⁶⁾に認められる所見であるか、あるいは発現頻度に対照群との間に有意な差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。

同群における安楽死例では、胸腺の萎縮 (中等度) が観察された。

同群における不妊動物では、肺に肺泡マクロファージ集簇が 1 例 (軽微) および眼球に網膜異形成が 2 例 (軽微) にみられたが、生殖能異常の原因と考えられる異常は認められなかった。

(3) 雌：サテライト群 (非交配群)

対照群では、下垂体に頭蓋咽頭管遺残が 1 例 (軽微)、甲状腺に鰓後体遺残が 2 例 (軽微) にみられた。

120 mg/kg 群では、甲状腺に鰓後体遺残が 1 例 (軽微) および眼球に網膜異形成が 1 例 (軽微)

にみられた。しかし、これらは対照群または試験施設の背景データ⁶⁾に認められる所見であるか、あるいは発現頻度に対照群との間に有意な差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。

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みられなかった。

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。

12 および 40 mg/kg 群では、交尾率、受胎率および交尾所要日数に対照群と比較して有意な差はみられなかった。

120 mg/kg 群では、雌雄の受胎率に、統計学的に有意な差ではないが低値がみられた。

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。

12 および 40 mg/kg 群では、着床数、分娩率、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、対照群と比較して有意な差はみられなかった。

120 mg/kg 群では、統計学的な有意差はなかったものの、出産時の生存児数の減少と死亡児数の増加がみられた。

出産生児の外表検査では、いずれの動物にも異常はみられなかった。

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 ~ 20-15 および 21-1 ~ 21-4 に示す。

12 mg/kg 群では、生後 0 日から 13 日の一般状態観察では、いずれの動物にも異常は認められず、生後 0 日、4 日および 13 日の新生児の生存率に、対照群と比較して有意な差はみられなかった。

40 mg/kg 群では、生後 4 日の新生児生存率に、統計学的な有意差はなかったものの低値傾向がみられた。

120 mg/kg 群では、哺育途中で死亡する新生児が増加したため、新生児生存率は、対照群と比較して生後 4 日に有意に低下し、生後 13 日にも低値傾向がみられた。

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.

12 mg/kg 群では, 生後 0 日, 4 日, 7 日および 13 日の体重には, 雌雄とも対照群と比較して有意な差はみられなかった.

40 mg/kg 群では, 生後 0 および 4 日の体重に, 対照群と比較して雌雄とも有意な差はみられなかった. 一方, 生後 7 日の体重は雌雄とも低値傾向, 生後 13 日の体重は雄で低値傾向, 雌で有意な低値であった.

120 mg/kg 群では, 哺育期間 (生後 0~13 日) を通じて雌雄とも有意な低値であった.

4.2.6 新生児の肛門生殖突起間距離 (AGD)

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

12 および 40 mg/kg 群では, 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, 雌雄とも対照群と比較して有意な差はみられなかった.

120 mg/kg 群では, 肛門生殖突起間距離に雌雄とも対照群と比較して有意な短縮がみられた. 体重で補正した (体重の立方根で除した) 値においても, 雌で有意な短縮がみられた.

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 日の新生児の血清 T4 濃度には, 被験物質投与群と対照群の間に有意な差はみられなかった.

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, いずれの試験群にも異常はみられなかった.

生後 0-13 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みられなかった.

5 考察

5.1 反復投与毒性

120 mg/kg 群では, 雌雄とも, 投与期間を通じて体重, 体重増加量および摂餌量に有意な低値または低値傾向がみられた. 主試験群の雌の妊娠・哺育期間の影響は顕著であった. 雄および非交配群の雌では加えて, 血液 (化) 学的検査で赤血球数, ヘモグロビン濃度およびヘマト

クリット値に有意な低値がみられ、貧血を示唆する所見と考えられた。また、血清中 T4 濃度の高値がみられたが、下垂体あるいは甲状腺に炎症または腫瘍性病変はみらず、肝機能または病理組織学的変化もみられなかったことから、毒性学的意義は不明であった。主試験群の雌では加えて、哺育 1 日に歩行異常、振戦、緩徐呼吸、蒼白、外尿道口周囲被毛汚染がみられ、予後不良と判断して安楽死させた動物が 1 例みられた。この動物の病理組織学的検査では、胸腺の萎縮が観察されたが、その他の免疫系組織に異常はみられず、他の動物にも同様の所見は認められなかったことから、ストレス性の変化と判断し、被験物質投与の直接の影響ではないと考えられた。さらに、哺育期間中の一般状態観察において、7 例中 6 例に歩行異常がみられ、詳細な状態観察では、運動協調性の異常が観察された。哺育 13 日の機能検査では後肢の握力の低下がみられた。主試験群の雌でみられたこれらの変化については、予備試験³⁾において 300 mg/kg 群で、類似の症状（歩行異常、振戦）がみられていることから、被験物質投与に関連した神経症状と考えられた。投与期間終了時の検査で、肝臓または腎臓の相対重量に有意な高値がみられたが、血液化学的検査または病理組織学的検査でこれらの器官の障害を示す変化は認められないことから、毒性学的意義はないと考えられた。その他、尿検査、血液化学的検査、剖検および病理組織学的検査の各検査項目には、被験物質投与に関連する変化はみられなかった。

40 mg/kg 群では、雄で、投与期間中の体重および体重増加量に有意な低値または低値傾向がみられた。その他の検査項目には被験物質投与に関連する変化はみられなかった。

12 mg/kg 群では、雌雄とも検査したいずれの項目にも、被験物質投与に関連する変化はみられなかった。

回復群の観察では、雌雄の体重および摂餌量は対照群とほぼ同じ値または有意差がなくなるまでに回復した。その他の検査項目では、変化の程度は軽減するか回復が認められた。

以上のことから、本試験条件下における 2-Propenamide, N-[(2-methylpropoxy)methyl]- の反復投与毒性に関する無毒性量 (NOAEL) は雄で 12 mg/kg/day、雌で 40 mg/kg/day と考えられた。

5.2 生殖発生毒性

親動物では、120 mg/kg 群で、雌雄の受胎率の低下がみられ、出産時の生存児数および死亡児数の増加がみられた。さらに、哺育 4 日までの哺育途中に全哺育児死亡が 3 腹みられたため、哺育 13 日まで生存児が得られた腹数は 5 例であった。これらは被験物質投与による生殖能への影響と考えられた。その他、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、交尾所要日数、着床数、分娩率、妊娠期間、出産率、ならびに出産児数には被験物質投与に関連する変化はみられなかった。同群の妊娠が成立しなかった雌雄では、剖検または病理組織学的検査において生殖能異常の原因と考えられる異常は認められなかった。

12 および 40 mg/kg 群では、検査したいずれの項目にも、被験物質投与に関連する変化はみられなかった。

新生児では、120 mg/kg 群で、生存率は、生後 4 日に有意に低下し、生後 13 日にも低値傾向がみられた。体重には雌雄とも有意な低値がみられ、対照群との差は哺育期間後半で顕著であった。肛門生殖突起間距離には雌雄とも有意な短縮がみられた。これらの変化は、雌親動物の哺育能力の低下による新生児の生育環境の悪化によるものと考えられた。その他、新生児の性比、一般状態、外表異常児出現率、外表異常児を持つ腹の頻度、乳頭数、T4 濃度および剖検に、被験物質投与に関連する変化はみられなかった。

40 mg/kg 群では、雌雄の体重に有意な低値または低値傾向がみられた。生後 4 日の生存率に低値傾向がみられた。

12 mg/kg 群では、検査したいずれの項目にも、被験物質投与に関連する変化はみられなかった。

以上のことから、本試験条件下における 2-Propenamide, N-[(2-methylpropoxy)methyl]- 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) はそれぞれ 40 および 12 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

動物番号 50161 の哺育 7 日のデータ採取時において、残餌量の測定前に、給餌器に餌を追加して給餌量の測定を実施したため、残餌量のデータを得ることができなかった。そのため当該データは欠測値となった。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。

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) 安全データシート : N-(Isobutoxymethyl)acrylamide, [REDACTED]
- 2) [REDACTED] 試薬ウェブサイト, N-(Isobutoxymethyl)acrylamide
- 3) 最終報告書 : 2-Propenamide, N-[(2-methylpropoxy)methyl]- 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 (SR22109P), 株式会社化合物安全性研究所 2022 年
- 4) 血液学的検査/血液化学的検査 背景データ CrI:CD(SD) ラット (雌雄:16~18 週齢) (2019~2021 年) 株式会社化合物安全性研究所 社内資料
- 5) 器官重量 背景データ CrI:CD(SD) ラット (雌 : 16 ~ 18 週齢) (2019 ~ 2021 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 CrI:CD(SD) ラット (雌雄:15~18 週齢) (2017~2021 年) 株式会社化合物安全性研究所 社内資料

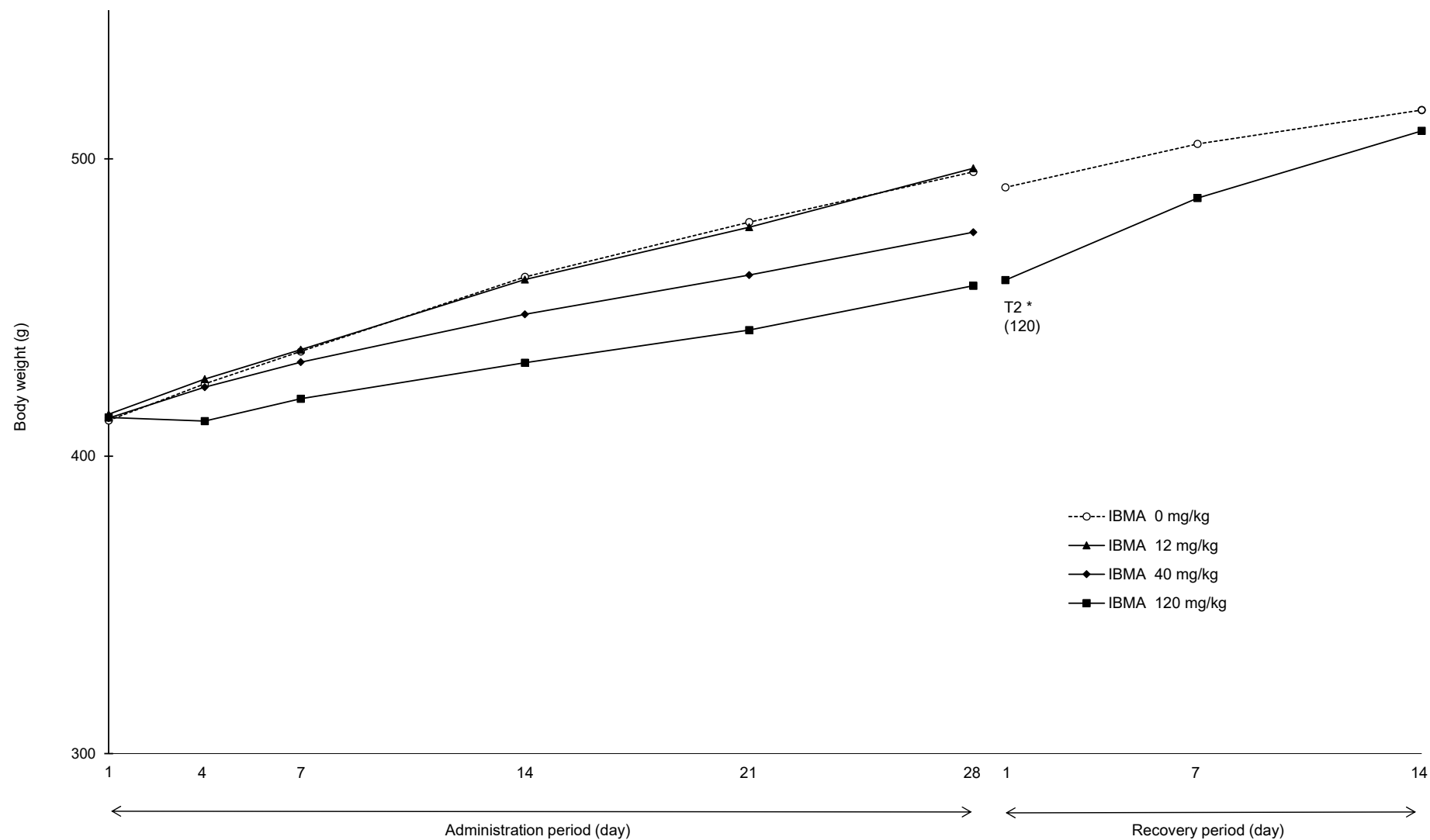
Figure 1 - 1

Study No. : SR22109

Body weight, Male

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

Species : Rat



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

T2 : Student t-test (two-side)

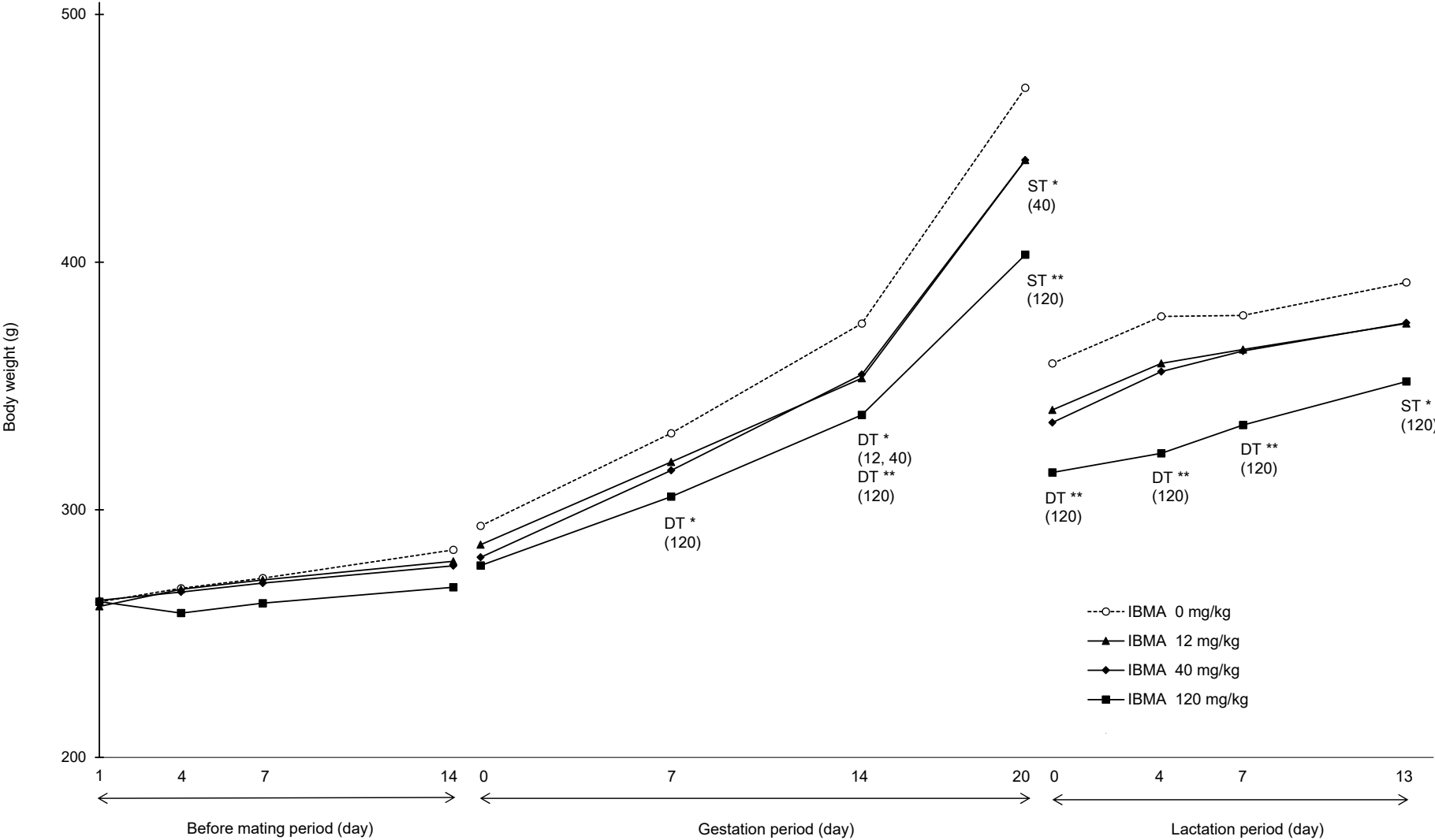
Figure 1 - 2

Study No. : SR22109

Body weight, Female

Period : Administration Day 1-14, Gestation Day 0-20, Lactation Day 0-13

Species : Rat



Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01
DT : Dunnett test (two-side), ST : Steel test (two-side)

Figure 1 - 3

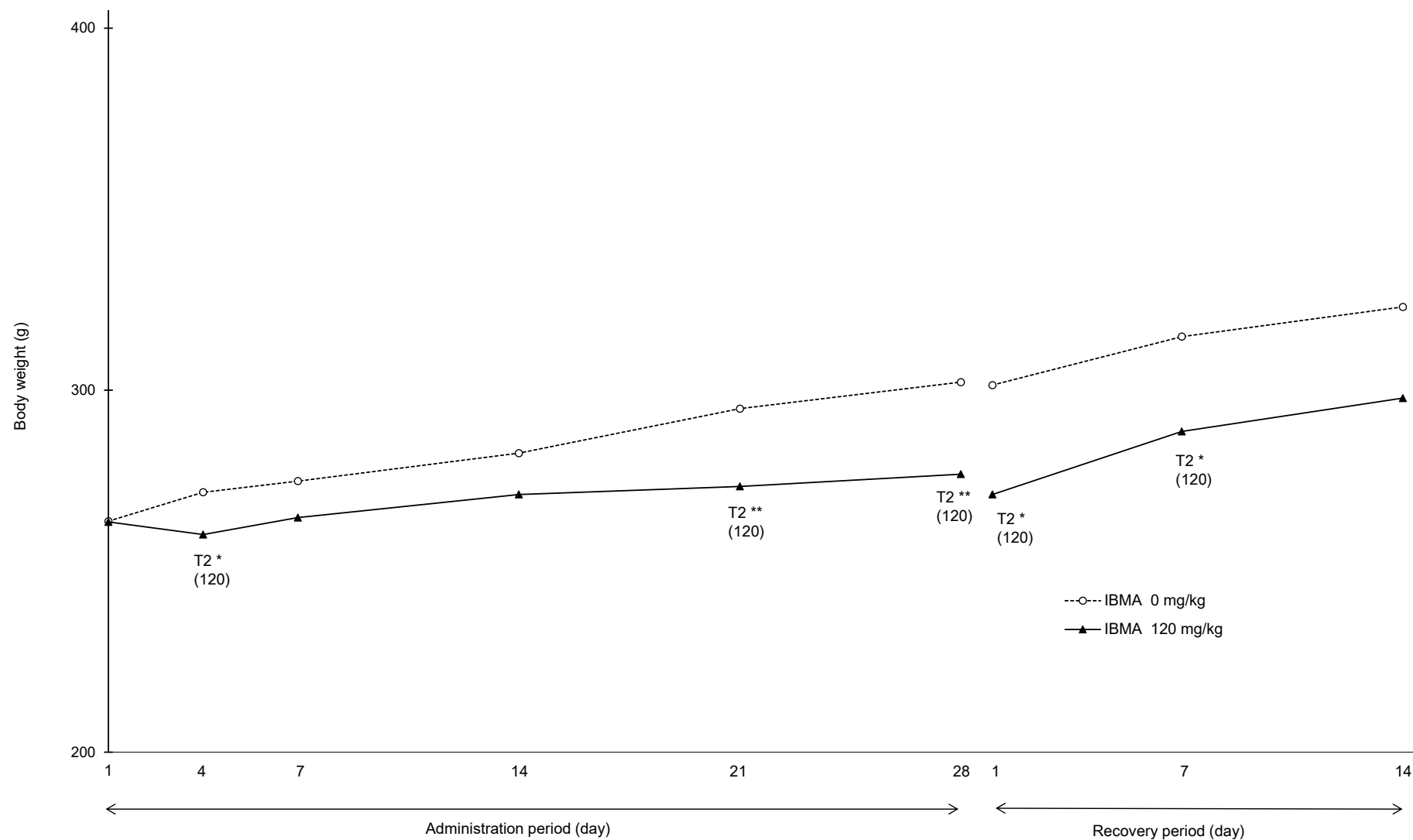
Study No. : SR22109

Body weight, Female (satellite)

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

Species : Rat

- 05 -



Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01
T2 : Student t-test (two-side)

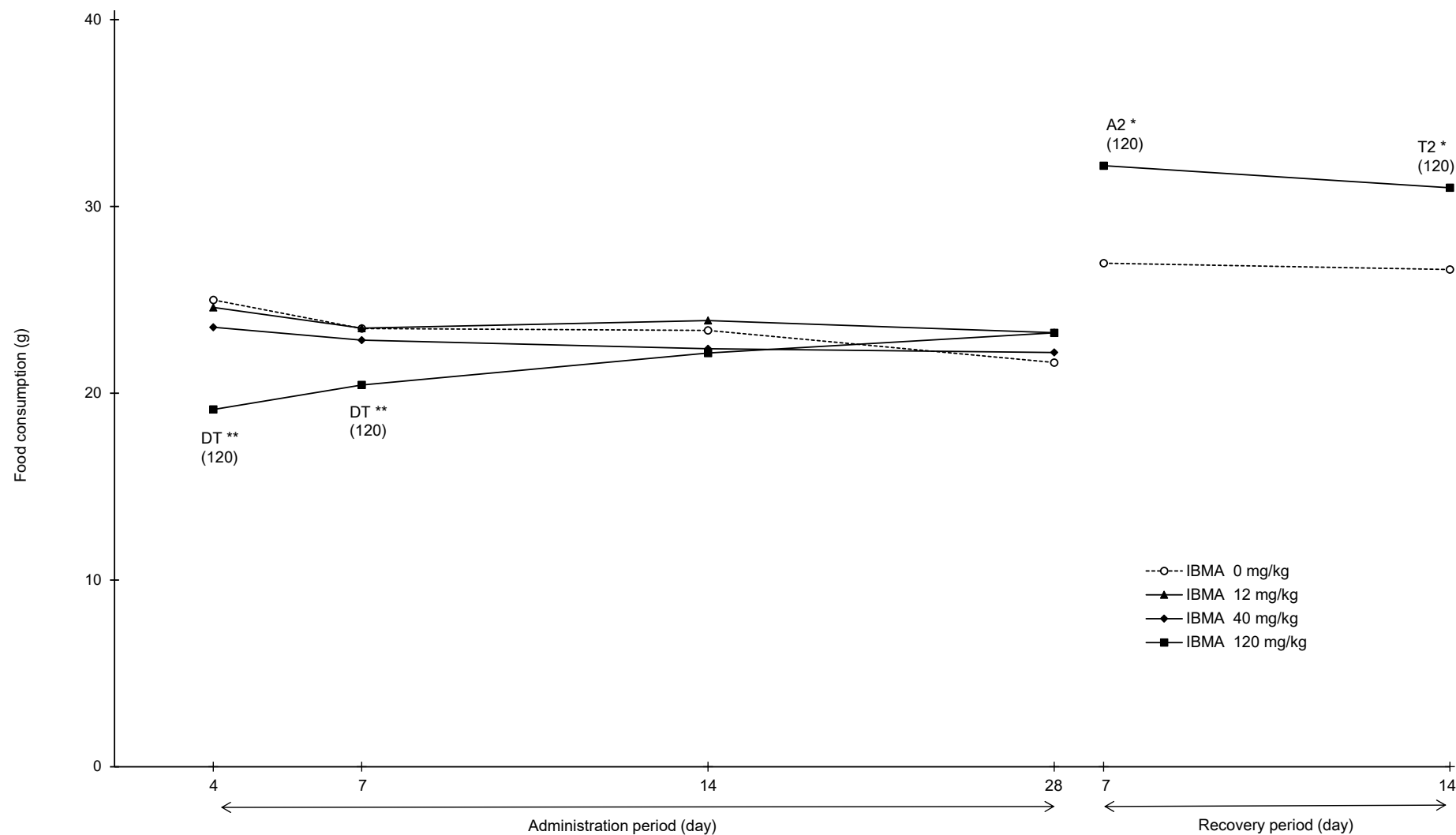
Figure 2 - 1

Study No. : SR22109

Food consumption, Male

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

Species : Rat



Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side), A2 : Welch test (two-side), T2 : Student t-test (two-side)

- 52 -

- 52 -

- 52 -



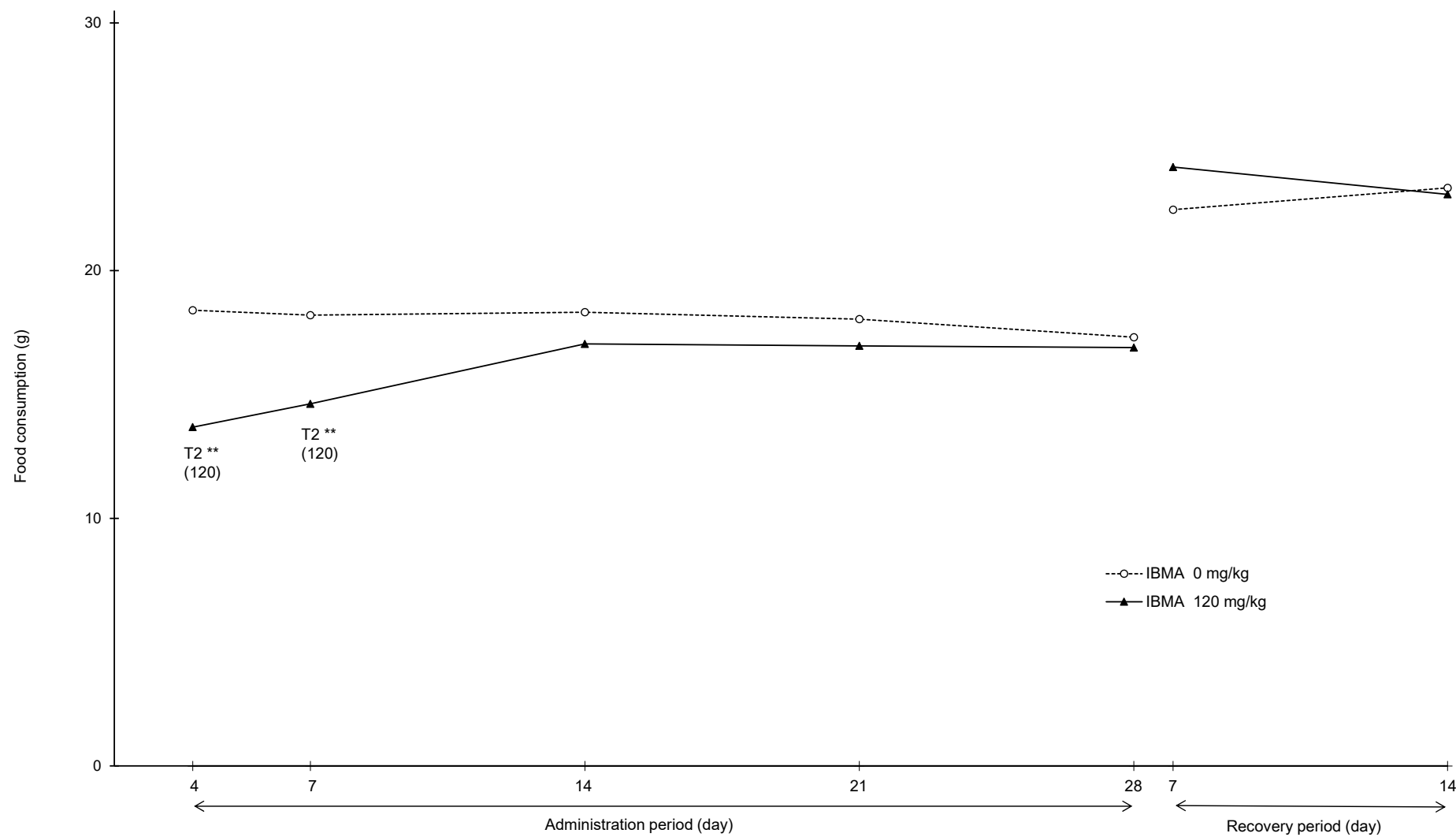
- 52 -

Figure 2 - 3

Study No. : SR22109

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

Species : Rat



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

T2 : Student t-test (two-side)

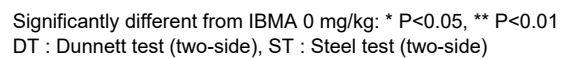


Table 1 - 1

Study No. : SR22109

Clinical signs Sex : Male		Period : Administration Day 1-14																Species : Rat			
Test article		Day	1	2	3	4	5	6	7	8											
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
IBMA	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			
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
12 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
40 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
120 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			

Test article		Day	9	10	11	12	13	14											
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2							
IBMA	n		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						
IBMA	n		12	12	12	12	12	12	12	12	12	12	12						
12 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12						
IBMA	n		12	12	12	12	12	12	12	12	12	12	12						
40 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12						
IBMA	n		12	12	12	12	12	12	12	12	12	12	12						
120 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12						

1 : Before dosing, 2 : After dosing

1 : Before dosing, 2 : After dosing

Table 1 - 2

Study No. : SR22109

Clinical signs Sex : Male		Period : Administration Day 15-29															
		Species : Rat															
Test article		Day	15	16		17		18		19		20		21		22	
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	2
IBMA	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
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
12 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
40 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
120 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Test article		Day	23	24		25		26		27		28		29	
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	3
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	7
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	7
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12
12 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12
40 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	7
120 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	7

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

Table 1 - 3

Study No. : SR22109

Clinical signs Sex : Female		Period : Administration Day 1-26																Species : Rat				
Test article		Day	1		2		3		4		5		6		7		8					
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
IBMA	n		12	12	12	12	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	12	12	12	12
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
12 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
40 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
120 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Test article		Day	9		10		11		12		13		14		15		16					
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	8	8	6	6		
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	8	8	6	6		
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	8	8	7	7		
12 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	8	8	7	7		
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	8	8	6	6		
40 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	8	8	6	6		
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	9	9	6	6		
120 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	9	9	6	6		
Test article		Day	17		18		19		20		21		22		23		24					
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
IBMA	n		1	1	1	1	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	1	1	1	1
IBMA	n		2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12 mg/kg	No abnormality		2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IBMA	n		2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 mg/kg	No abnormality		2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IBMA	n		4	4	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
120 mg/kg	No abnormality		4	4	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Test article		Day	25		26																	
Dose	Clinical signs	Time	1	2	1	2																
IBMA	n		1	1	0	0																
0 mg/kg	No abnormality		1	1	0	0																
IBMA	n		1	1	1	1																
12 mg/kg	No abnormality		1	1	1	1																
IBMA	n		0	0	0	0																
40 mg/kg	No abnormality		0	0	0	0																
IBMA	n		0	0	0	0																
120 mg/kg	No abnormality		0	0	0	0																

1 : Before dosing, 2 : After dosing

Table 1 - 4

Study No. : SR22109

Clinical signs		Period : Gestation Day 0-22																	
Sex : Female		Species : Rat																	
Test article		Clinical signs	Day	0		1		2		3		4		5		6		7	
Dose		Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
IBMA	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
IBMA	n			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
12 mg/kg	No abnormality			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
IBMA	n			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
40 mg/kg	No abnormality			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
IBMA	n			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
120 mg/kg	No abnormality			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Test article		Clinical signs	Day	8		9		10		11		12		13		14		15	
Dose		Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
IBMA	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
IBMA	n			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
12 mg/kg	No abnormality			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
IBMA	n			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
40 mg/kg	No abnormality			12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
IBMA	n			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
120 mg/kg	No abnormality			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Test article		Clinical signs	Day	16		17		18		19		20		21		22			
Dose		Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
IBMA	n			12	12	12	12	12	12	12	12	12	12	12	12	3	3		
0 mg/kg	No abnormality			12	12	12	12	12	12	12	12	12	12	12	12	3	3		
IBMA	n			12	12	12	12	12	12	12	12	12	12	12	12	1	1		
12 mg/kg	No abnormality			12	12	12	12	12	12	12	12	12	12	12	12	1	1		
IBMA	n			12	12	12	12	12	12	12	12	12	12	12	12	5	5		
40 mg/kg	No abnormality			12	12	12	12	12	12	12	12	12	12	12	12	5	5		
IBMA	n			8	8	8	8	8	8	8	8	8	8	8	8	5	5		
120 mg/kg	No abnormality			8	8	8	8	8	8	8	8	8	8	8	8	5	5		

1 : Before dosing, 2 : After dosing

Table 1 - 5

Study No. : SR22109

Clinical signs Sex : Female		Period : Lactation Day 0-14														Species : Rat			
Test article		Day	0	1	2	3	4	5	6	7									
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
IBMA	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	
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
12 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
IBMA	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
40 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
IBMA	n		8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	
120 mg/kg	No abnormality		8	8	7	7	7	7	7	7	6	6	6	6	6	6	6	6	
	Abnormal gait		0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	
	Tremor		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Bradypnea		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Soil of perigenital fur		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Pale skin		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	

Test article		Day	8	9	10	11	12	13	14										
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	3						
IBMA	n		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						
IBMA	n		12	12	12	12	12	12	12	12	12	12	12						
12 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12						
IBMA	n		12	12	12	12	12	12	12	12	12	12	12						
40 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12						
IBMA	n		7	7	7	7	7	7	7	7	7	7	7						
120 mg/kg	No abnormality		6	6	6	5	5	4	4	3	3	3	1	1	1				
	Abnormal gait		1	1	1	2	2	3	3	4	4	4	6	6	6				
	Tremor		0	0	0	0	0	0	0	0	0	0	0	0					
	Bradypnea		0	0	0	0	0	0	0	0	0	0	0	0					
	Soil of perigenital fur		0	0	0	0	0	0	0	0	0	0	0	0					
	Pale skin		0	0	0	0	0	0	0	0	0	0	0	0					

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

In the 120 mg/kg group, 1 animal was euthanized due to a moribund condition on lactation day 1

Table 1 - 6

Study No. : SR22109

Clinical signs Sex : Female (satellite)		Period : Administration Day 1-29																Species : Rat			
Test article		Day	1		2		3		4		5		6		7		8				
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
IBMA	n		10	10	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	10	10	
IBMA	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
120 mg/kg	No abnormality		10	10	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				
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
IBMA	n		10	10	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	10	10	
IBMA	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
120 mg/kg	No abnormality		10	10	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				
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
IBMA	n		10	10	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	10	10	
IBMA	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
120 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Test article		Day	25		26		27		28		29										
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	3										
IBMA	n		10	10	10	10	10	10	10	10	5										
0 mg/kg	No abnormality		10	10	10	10	10	10	10	10	5										
IBMA	n		10	10	10	10	10	10	10	10	5										
120 mg/kg	No abnormality		10	10	10	10	10	10	10	10	5										

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

Table 1 - 7

Study No. : SR22109

Clinical signs		Period : Recovery Day 1-15															
Sex : Male		Species : Rat															
Test article		Day	1	2	3	4	5	6	7	8							
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
IBMA	n		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
IBMA	n		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
120 mg/kg	No abnormality		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								
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	3				
IBMA	n		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				
IBMA	n		5	5	5	5	5	5	5	5	5	5	5				
120 mg/kg	No abnormality		5	5	5	5	5	5	5	5	5	5	5				

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

Table 1 - 8

Study No. : SR22109

Clinical signs		Period : Recovery Day 1-15															
Sex : Female (satellite)		Species : Rat															
Test article		Day	1	2	3	4	5	6	7	8							
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
IBMA	n		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
IBMA	n		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
120 mg/kg	No abnormality		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								
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	3				
IBMA	n		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				
IBMA	n		5	5	5	5	5	5	5	5	5	5	5				
120 mg/kg	No abnormality		5	5	5	5	5	5	5	5	5	5	5				

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

Table 2 - 1

Study No. : SR22109

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
						Rolling 0	Repetitive circling 0	Self biting 1
Pre	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 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;Cataplectic.

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 IBMA 0 mg/kg

Table 2 - 2

Study No. : SR22109

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
						Rolling 0	Repetitive circling 0	Self biting 1
Pre	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 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;Cataplectic.

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 IBMA 0 mg/kg

Table 2 - 3

Study No. : SR22109

			Detailed clinical observation (in the cage)				Species : Rat	
			Sex : Female					
Stage	Group		Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior
						Rolling 0	Repetitive circling 0	Self biting 1
Day 35	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	12
Day 42	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 mg/kg	n	10	10	10	10	10	10
Day 49	0 mg/kg	n	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12
	120 mg/kg	n	7	7	7	7	7	7

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

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 IBMA 0 mg/kg

Table 2 - 4

Study No. : SR22109

		Detailed clinical observation (in the cage)					Species : Rat	
		Sex : Female (satellite)						
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	10	10	10	10	10
	120 mg/kg	n	10	10	10	10	10	10
Day 7	0 mg/kg	n	10	10	10	10	10	10
	120 mg/kg	n	10	10	10	10	10	10
Day 14	0 mg/kg	n	10	10	10	10	10	10
	120 mg/kg	n	10	10	10	10	10	10
Day 21	0 mg/kg	n	10	10	10	10	10	10
	120 mg/kg	n	10	10	10	10	10	10
Day 28	0 mg/kg	n	10	10	10	10	10	10
	120 mg/kg	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;Cataplectic.

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 IBMA 0 mg/kg

Table 2 - 5

Study No. : SR22109

			Detailed clinical observation (in the cage)					Species : Rat	
			Sex : Male						
Stage	Group		Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Stereotype		Bizarre behavior	
			1	1	1	Rolling 0	Repetitive circling 0	Self biting 1	
Recovery day 7	0 mg/kg	n	5	5	5	5	5	5	
	120 mg/kg	n	5	5	5	5	5	5	
Recovery day 14	0 mg/kg	n	5	5	5	5	5	5	
	120 mg/kg	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;Cataplectic.

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 IBMA 0 mg/kg

Table 2 - 6

Study No. : SR22109

			Detailed clinical observation (in the cage)					Species : Rat	
			Sex : Female (satellite)						
Stage	Group		Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Stereotype		Bizarre behavior	
			1	1	1	Rolling 0	Repetitive circling 0	Self biting 1	
Recovery day 7	0 mg/kg	n	5	5	5	5	5	5	
	120 mg/kg	n	5	5	5	5	5	5	
Recovery day 14	0 mg/kg	n	5	5	5	5	5	5	
	120 mg/kg	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;Cataplectic.

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 IBMA 0 mg/kg

Table 3 - 1

Study No. : SR22109

Detailed clinical observation (on the hand)

Sex : Male

Species : Rat

Stage	Group		Ease of		Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions/ 0
			Removal 1	Handling 1										
Pre	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	12	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	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	12	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	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	12	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	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	12	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	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	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.

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.

Not significantly different from IBMA 0 mg/kg

Table 3 - 2

Study No. : SR22109

Detailed clinical observation (on the hand)

Sex : Female

Species : Rat

Stage	Group		Ease of		Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions/ 0
			Removal 1	Handling 1										
Pre	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	12	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	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	12	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	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	12	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	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	12	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	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	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.

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.

Not significantly different from IBMA 0 mg/kg

Table 3 - 3

Study No. : SR22109

Detailed clinical observation (on the hand)														
Sex : Female														
Species : Rat														
Stage	Group		Ease of		Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions 0
			Removal 1	Handling 1										
Day 35	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
Day 42	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10
Day 49	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	120 mg/kg	n	7	7	7	7	7	7	7	7	7	7	7	7

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.

Not significantly different from IBMA 0 mg/kg

Table 3 - 4

Study No. : SR22109

Detailed clinical observation (on the hand)														Sex : Female (satellite)		Species : Rat	
Stage	Group		Ease of		Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions 0			
			Removal 1	Handling 1													
Pre	0 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10			
	120 mg/kg	n	10	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	10			
	120 mg/kg	n	10	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	10			
	120 mg/kg	n	10	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	10			
	120 mg/kg	n	10	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	10			
	120 mg/kg	n	10	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.

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.

Not significantly different from IBMA 0 mg/kg

Table 3 - 5

Study No. : SR22109

Detailed clinical observation (on the hand)

Sex : Male

Species : Rat

Stage	Group		Ease of		Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions 0
			Removal 1	Handling 1										
Recovery day 7	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5	5
	120 mg/kg	n	5	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	5
	120 mg/kg	n	5	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.

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.

Not significantly different from IBMA 0 mg/kg

Table 3 - 6

Study No. : SR22109

Detailed clinical observation (on the hand)														Study No. : GR2201000
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Table 4 - 1

Study No. : SR22109

Detailed clinical observation (in the open field)

Sex : Male

Species : Rat

Stage	Group		Gait 1	Co-ordination of movement 1	Reactivity to stimuli 1	Searching 1	Urination		Defecation		Stereotype		Bizarre behavior		Aggression 1
							0	1	0	1	Excessive grooming 0	Unusual head movement 0	Walking backward 1	Vocaliza- tion 1	
Pre	0 mg/kg	n	12	12	12	12	6	6	10	2	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	5	7	7	5	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	9	3	8	4	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	8	4	8	4	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	9	3	11	1	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	7	5	8	4	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	8	4	10	2	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	10	2	11	1	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 mg/kg	n	12	12	12	12	12	0	11	1	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	9	3	11	1	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 mg/kg	n	12	12	12	12	9	3	12	0	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	10	2	11	1	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 IBMA 0 mg/kg

Table 4 - 2

Study No. : SR22109

Detailed clinical observation (in the open field)

Sex : Female

Species : Rat

Stage	Group		Gait 1	Co-ordination of movement 1	Reactivity to stimuli 1	Searching 1	Urination		Defecation		Stereotype		Bizarre behavior		Aggression 1
							0	1	0	1	Excessive grooming 0	Unusual head movement 0	Walking backward 1	Vocaliza- tion 1	
Pre	0 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	10	2	10	2	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	10	2	11	1	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	0	11	1	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12
	12 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	11	1	12	0	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 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	12	0	12	0	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 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12
	40 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
	120 mg/kg	n	12	12	12	12	10	2	12	0	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 IBMA 0 mg/kg

Table 4 - 3

Study No. : SR22109

Detailed clinical observation (in the open field)

Sex : Female

Species : Rat

Stage	Group		Gait 1	Co-ordination of movement		Reactivity to stimuli 1	Searching 1	Urination		Defecation		Stereotype Excessive grooming		Unusual head movement 0	Bizarre behavior		Aggression 1
				0	1			0	1	0	1	0	1		Walking backward 1	Vocaliza- tion 1	
Day 35	0 mg/kg	n	12	0	12	12	12	11	1	12	0	12	0	12	12	12	12
	12 mg/kg	n	12	0	12	12	12	12	0	11	1	12	0	12	12	12	12
	40 mg/kg	n	12	0	12	12	12	10	2	12	0	12	0	12	12	12	12
	120 mg/kg	n	12	0	12	12	12	10	2	12	0	12	0	12	12	12	12
Day 42	0 mg/kg	n	12	0	12	12	12	11	1	12	0	12	0	12	12	12	12
	12 mg/kg	n	12	0	12	12	12	11	1	12	0	12	0	12	12	12	12
	40 mg/kg	n	12	0	12	12	12	9	3	12	0	11	1	12	12	12	12
	120 mg/kg	n	10	0	10	10	10	9	1	10	0	10	0	10	10	10	10
Day 49	0 mg/kg	n	12	0	12	12	12	11	1	12	0	12	0	12	12	12	12
	12 mg/kg	n	12	0	12	12	12	11	1	11	1	11	1	12	12	12	12
	40 mg/kg	n	12	0	12	12	12	10	2	12	0	12	0	12	12	12	12
	120 mg/kg	n	7	4	3	ST\$	7	4	3	7	0	7	0	7	7	7	7

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 IBMA 0 mg/kg: \$ P<0.05

ST : Steel test (two-side)

Table 4 - 4

Study No. : SR22109

Detailed clinical observation (in the open field)

Sex : Female (satellite)

Species : Rat

Sex : Female (captive)										Species : Rat				
Stage	Group		Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination		Defecation	Stereotype		Bizarre behavior		Aggression
							0	1		Excessive grooming	Unusual head movement	Walking backward	Vocaliza- tion	
			1	1	1	1			0					1
Pre	0 mg/kg	n	10	10	10	10	6	4	10	10	10	10	10	10
	120 mg/kg	n	10	10	10	10	9	1	10	10	10	10	10	10
Day 7	0 mg/kg	n	10	10	10	10	8	2	10	10	10	10	10	10
	120 mg/kg	n	10	10	10	10	9	1	10	10	10	10	10	10
Day 14	0 mg/kg	n	10	10	10	10	8	2	10	10	10	10	10	10
	120 mg/kg	n	10	10	10	10	10	0	10	10	10	10	10	10
Day 21	0 mg/kg	n	10	10	10	10	10	0	10	10	10	10	10	10
	120 mg/kg	n	10	10	10	10	10	0	10	10	10	10	10	10
Day 28	0 mg/kg	n	10	10	10	10	10	0	10	10	10	10	10	10
	120 mg/kg	n	10	10	10	10	9	1	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 IBMA 0 mg/kg

Table 4 - 5

Study No. : SR22109

Detailed clinical observation (in the open field)

Sex : Male

Species : Rat

Sex : Male										Species : Rat					
Stage	Group		Gait 1	Co-ordination of movement 1	Reactivity to stimuli 1	Searching 1	Urination		Defecation		Stereotype		Bizarre behavior		Aggression 1
							0	1	0	1	Excessive grooming 0	Unusual head movement 0	Walking backward 1	Vocaliza- tion 1	
Recovery day 7	0 mg/kg	n	5	5	5	5	5	0	5	0	5	5	5	5	5
	120 mg/kg	n	5	5	5	5	4	1	5	0	5	5	5	5	5
Recovery day 14	0 mg/kg	n	5	5	5	5	4	1	5	0	5	5	5	5	5
	120 mg/kg	n	5	5	5	5	5	0	4	1	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 IBMA 0 mg/kg

Sex : Female (satellite)

Species : Rat

Sex : Female (catalina)										Species : Rat				
Stage	Group		Gait 1	Co-ordination of movement 1	Reactivity to stimuli 1	Searching 1	Urination		Defecation 0	Stereotype		Bizarre behavior		Aggression 1
							0	1		Excessive grooming 0	Unusual head movement 0	Walking backward 1	Vocaliza- tion 1	
Recovery day 7	0 mg/kg	n	5	5	5	5	5	0	5	5	5	5	5	
	120 mg/kg	n	5	5	5	5	4	1	5	5	5	5	5	
Recovery day 14	0 mg/kg	n	5	5	5	5	5	0	5	5	5	5	5	
	120 mg/kg	n	5	5	5	5	5	0	5	5	5	5	5	

Not significantly different from IBMA 0 mg/kg

Table 5 - 1

Study No. : SR22109

Functional observations (on the desk)		Stage : Week 4						Species : Rat
Sex : Male								
Group		Reactivity					Righting reflex	
		Visual 4	Touch 2	Auditory 1	Pain 2	Proprioceptive 1	1	
0 mg/kg	n	5	5	5	5	5	5	
12 mg/kg	n	5	5	5	5	5	5	
40 mg/kg	n	5	5	5	5	5	5	
120 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 IBMA 0 mg/kg

Table 5 - 2

Study No. : SR22109

		Functional observations (on the desk)					Stage : Lactation day 13	Species : Rat
		Sex : Female						
Group		Reactivity					Righting reflex	
		Visual 4	Touch 2	Auditory 1	Pain 2	Proprioceptive 1	1	
0 mg/kg	n	5	5	5	5	5	5	
12 mg/kg	n	5	5	5	5	5	5	
40 mg/kg	n	5	5	5	5	5	5	
120 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 IBMA 0 mg/kg

Table 5 - 3

Study No. : SR22109

Functional observations (on the desk)		Stage : Week 4						Species : Rat
Sex : Female (satellite)								
Group		Reactivity					Righting reflex	
		Visual 4	Touch 2	Auditory 1	Pain 2	Proprioceptive 1	1	
0 mg/kg	n	5	5	5	5	5	5	
120 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 IBMA 0 mg/kg

Table 6 - 1

Study No. : SR22109

Grip strength		Stage : Week 4		Species : Rat
Sex : Male		Forelimb	Hindlimb	
Test article		g	g	
Dose	n	5	5	
IBMA	Mean	1319.94	454.14	
0 mg/kg	S.D.	96.78	23.03	
IBMA	n	5	5	
12 mg/kg	Mean	1374.64	466.20	
	S.D.	248.80	42.51	
IBMA	n	5	5	
40 mg/kg	Mean	1385.38	478.28	
	S.D.	143.07	16.35	
IBMA	n	5	5	
120 mg/kg	Mean	1331.08	411.38	
	S.D.	145.19	55.99	
Not significantly different from IBMA 0 mg/kg				

Table 6 - 2

Study No. : SR22109

Grip strength Sex : Female		Stage : Lactation day 13		Species : Rat
		Forelimb	Hindlimb	
Test article		g	g	
Dose				
IBMA	n	5	5	
0 mg/kg	Mean	1463.20	481.92	
	S.D.	82.67	45.65	
IBMA	n	5	5	
12 mg/kg	Mean	1435.00	471.26	
	S.D.	131.23	29.08	
IBMA	n	5	5	
40 mg/kg	Mean	1552.66	471.28	
	S.D.	108.52	82.84	
IBMA	n	5	5	
120 mg/kg	Mean	1458.20	350.60	
	S.D.	216.28	55.24	
			DT **	

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

DT : Dunnett test (two-side)

Table 6 - 3

Study No. : SR22109

Grip strength		Stage : Week 4		Species : Rat
Sex : Female (satellite)		Forelimb	Hindlimb	
Test article		g	g	
Dose				
IBMA	n	5	5	
0 mg/kg	Mean	1127.78	409.38	
	S.D.	100.34	56.61	
IBMA	n	5	5	
120 mg/kg	Mean	1136.26	381.72	
	S.D.	144.55	35.60	
Not significantly different from IBMA 0 mg/kg				

Table 7 - 1

Study No. : SR22109

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								
IBMA	n	5	5	5	5	5	5	5
0 mg/kg	Mean	467.4	239.6	143.2	86.0	12.8	22.2	971.2
	S.D.	167.8	98.3	116.2	80.4	18.4	48.0	473.2
IBMA	n	5	5	5	5	5	5	5
12 mg/kg	Mean	355.2	234.2	159.6	83.2	38.6	72.8	943.6
	S.D.	109.2	29.0	86.1	65.7	64.8	92.2	241.8
IBMA	n	5	5	5	5	5	5	5
40 mg/kg	Mean	304.6	202.2	35.2	31.4	32.4	1.0	606.8
	S.D.	86.2	126.7	25.9	60.3	70.8	1.7	225.4
IBMA	n	5	5	5	5	5	5	5
120 mg/kg	Mean	365.4	145.4	57.6	53.0	29.2	6.4	657.0
	S.D.	152.8	74.8	58.2	74.7	33.4	12.7	319.5

Not significantly different from IBMA 0 mg/kg

Table 7 - 2

Study No. : SR22109

Motor activity measurements		Stage : Lactation day 13						Species : Rat
Sex : Female		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	
Test article	No.	No.	No.	No.	No.	No.	No.	No.
Dose								
IBMA	n	5	5	5	5	5	5	5
0 mg/kg	Mean	469.0	151.0	167.0	43.2	30.0	45.6	905.8
	S.D.	135.2	134.9	93.1	57.2	48.6	44.1	432.5
IBMA	n	5	5	5	5	5	5	5
12 mg/kg	Mean	580.6	254.4	148.8	89.2	131.4	10.8	1215.2
	S.D.	249.4	82.8	84.6	123.7	213.5	17.9	492.6
IBMA	n	5	5	5	5	5	5	5
40 mg/kg	Mean	504.0	307.0	183.0	153.6	109.0	172.2	1428.8
	S.D.	167.5	207.1	242.6	225.1	180.3	242.6	1193.0
IBMA	n	5	5	5	5	5	5	5
120 mg/kg	Mean	345.6	102.6	9.8	39.4	27.0	12.8	537.2
	S.D.	103.6	76.9	21.9	36.4	31.6	18.4	171.0
				ST *				

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

ST : Steel test (two-side)

Table 7 - 3

Study No. : SR22109

Motor activity measurements		Stage : Week 4							Species : Rat
Sex : Female (satellite)		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Test article	No.	No.	No.	No.	No.	No.	No.	No.	
Dose									
IBMA	n	5	5	5	5	5	5	5	
0 mg/kg	Mean	560.2	348.6	239.0	176.4	115.2	86.2	1525.6	
	S.D.	266.7	233.1	134.0	126.0	153.0	88.9	932.0	
IBMA	n	5	5	5	5	5	5	5	
120 mg/kg	Mean	511.2	387.8	285.6	200.4	170.6	126.0	1681.6	
	S.D.	96.5	139.8	202.2	157.4	177.2	109.0	782.9	
Not significantly different from IBMA 0 mg/kg									

Table 8 - 1

Study No. : SR22109

Body weight Sex : Male		Period : Administration Day 1-28							Unit : g	Species : Rat
Test article		/Day						Body weight		
Dose		1	4	7	14	21	28	gain		
IBMA 0 mg/kg	n	12	12	12	12	12	12	12		
	Mean	412.0	424.3	435.2	460.3	478.7	495.6	83.6		
	S.D.	22.5	23.9	26.1	31.0	32.8	36.8	19.4		
IBMA 12 mg/kg	n	12	12	12	12	12	12	12		
	Mean	414.1	425.9	435.8	459.4	477.0	496.8	82.7		
	S.D.	27.8	32.6	34.0	37.8	41.1	44.4	20.8		
IBMA 40 mg/kg	n	12	12	12	12	12	12	12		
	Mean	412.8	423.2	431.6	447.7	460.9	475.3	62.5		
	S.D.	29.6	30.5	32.1	34.2	35.4	37.5	14.1		
IBMA 120 mg/kg	n	12	12	12	12	12	12	12		
	Mean	413.0	411.8	419.3	431.4	442.4	457.3	44.3		
	S.D.	28.6	25.5	26.4	32.4	37.1	39.0	25.1		
								DT *		
								DT **		

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 8 - 2

Study No. : SR22109

Body weight Sex : Female		Period : Administration Day 1-14				Unit : g	Species : Rat
Test article	/Day	1	4	7	14	Body weight gain	
Dose	n	12	12	12	12	12	
IBMA	Mean	262.8	268.3	272.4	283.8	21.1	
0 mg/kg	S.D.	15.0	14.4	14.3	17.1	4.5	
IBMA	n	12	12	12	12	12	
12 mg/kg	Mean	261.0	267.9	271.7	279.2	18.2	
	S.D.	13.1	14.9	16.7	14.6	8.0	
IBMA	n	12	12	12	12	12	
40 mg/kg	Mean	263.4	266.8	270.4	277.4	14.0	
	S.D.	14.5	13.0	14.6	16.9	8.1	
IBMA	n	12	12	12	12	12	
120 mg/kg	Mean	262.9	258.3	262.3	268.7	5.8	
	S.D.	14.1	14.8	16.6	18.8	7.8	
DT **							
Significantly different from IBMA 0 mg/kg: ** P<0.01							
DT : Dunnett test (two-side)							

Table 8 - 3

Study No. : SR22109

Body weight Sex : Female		Period : Gestation Day 0-20				Unit : g	Species : Rat
Test article	/Day	0	7	14	20	Body weight gain	
Dose	n	12	12	12	12	12	
IBMA	Mean	293.5	330.9	375.2	470.4	176.9	
0 mg/kg	S.D.	20.2	20.9	24.1	32.1	18.2	
IBMA	n	12	12	12	12	12	
12 mg/kg	Mean	285.9	319.3	353.1	441.2	155.3	
	S.D.	19.2	18.8	22.2	31.1	23.5	
				DT *		DT *	
IBMA	n	12	12	12	12	12	
40 mg/kg	Mean	280.8	315.9	354.6	441.2	160.3	
	S.D.	15.3	15.1	14.3	12.2	11.4	
				DT *	ST *		
IBMA	n	8	8	8	8	8	
120 mg/kg	Mean	277.5	305.3	338.3	403.0	125.5	
	S.D.	18.7	18.3	16.5	24.4	26.4	
			DT *	DT **	ST **	DT **	

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side), ST : Steel test (two-side)

Table 8 - 4

Study No. : SR22109

Body weight		Period : Lactation Day 0-13					Unit : g	Species : Rat
Sex : Female								
Test article		/Day				Body weight gain		
Dose		0	4	7	13			
IBMA 0 mg/kg	n	12	12	12	12	12		
	Mean	359.1	378.1	378.5	391.8	32.7		
	S.D.	30.4	25.6	25.1	24.1	21.5		
IBMA 12 mg/kg	n	12	12	12	12	12		
	Mean	340.3	359.1	364.7	375.2	34.8		
	S.D.	23.3	24.4	24.7	24.8	19.3		
IBMA 40 mg/kg	n	12	12	12	12	12		
	Mean	335.2	355.8	364.1	375.5	40.3		
	S.D.	23.2	21.3	14.8	10.2	21.1		
IBMA 120 mg/kg	n	8	5	5	5	5		
	Mean	315.1	322.8	334.2	351.8	29.2		
	S.D.	19.2	18.4	14.0	6.3	16.9		
		DT **	DT **	DT **	ST *			
Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01								
DT : Dunnett test (two-side), ST : Steel test (two-side)								

Table 8 - 5

Study No. : SR22109

Body weight Sex : Female (satellite)		Period : Administration Day 1-28						Unit : g	Species : Rat
Test article	/Day	1	4	7	14	21	28	Body weight gain	
Dose	n	10	10	10	10	10	10	10	
IBMA	Mean	263.8	271.8	274.9	282.6	294.9	302.2	38.4	
0 mg/kg	S.D.	13.0	11.8	11.6	15.4	16.7	15.0	9.1	
IBMA	n	10	10	10	10	10	10	10	
120 mg/kg	Mean	263.6	260.1	264.8	271.2	273.4	276.8	13.2	
	S.D.	13.4	11.9	13.4	15.3	15.7	14.3	14.0	
			T2 *			T2 **	T2 **	T2 **	

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

T2 : Student t-test (two-side)

Table 8 - 6

Study No. : SR22109

Body weight		Period : Recovery Day 1-14				Unit : g	Species : Rat
Sex : Male							
Test article	Dose	/Day			Body weight gain		
		1	7	14			
IBMA 0 mg/kg	n	5	5	5	5		
	Mean	490.4	505.0	516.4	26.0		
	S.D.	17.7	17.5	22.5	8.0		
IBMA 120 mg/kg	n	5	5	5	5		
	Mean	459.2	486.8	509.4	50.2		
	S.D.	23.4	24.2	26.0	7.2		
		T2 *			T2 **		

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

T2 : Student t-test (two-side)

Table 8 - 7

Study No. : SR22109

Body weight		Period : Recovery Day 1-14				Unit : g	Species : Rat
Sex : Female (satellite)							
Test article	/Day				Body weight		
Dose		1	7	14	gain		
IBMA 0 mg/kg	n	5	5	5	5		
	Mean	301.4	314.8	323.0	21.6		
	S.D.	14.0	13.8	19.7	7.6		
IBMA 120 mg/kg	n	5	5	5	5		
	Mean	271.2	288.6	297.8	26.6		
	S.D.	17.2	17.6	16.5	8.1		
		T2 *	T2 *				

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

T2 : Student t-test (two-side)

Table 9 - 1

Study No. : SR22109

Food consumption		Period : Administration Day 1-28				Unit : g	Species : Rat
Sex : Male							
Test article		/Day					
Dose		4	7	14	28		
IBMA 0 mg/kg	n	12	12	12	11		
	Mean	24.99	23.46	23.36	21.64		
	S.D.	1.98	1.73	1.93	1.47		
IBMA 12 mg/kg	n	12	12	12	11		
	Mean	24.59	23.48	23.89	23.24		
	S.D.	3.47	2.60	2.81	2.80		
IBMA 40 mg/kg	n	12	12	12	12		
	Mean	23.53	22.84	22.38	22.18		
	S.D.	2.65	2.42	2.27	2.64		
IBMA 120 mg/kg	n	12	12	12	12		
	Mean	19.13	20.44	22.15	23.23		
	S.D.	1.69	1.89	2.28	2.29		
		DT **	DT **				
Significantly different from IBMA 0 mg/kg: ** P<0.01							
DT : Dunnett test (two-side)							

Table 9 - 2

Study No. : SR22109

Food consumption		Period : Administration Day 1-14			Unit : g	Species : Rat
Sex : Female						
Test article		/Day				
Dose		4	7	14		
IBMA	n	12	12	12		
0 mg/kg	Mean	18.75	17.83	18.55		
	S.D.	1.91	1.56	2.14		
IBMA	n	12	12	12		
12 mg/kg	Mean	18.54	17.73	18.09		
	S.D.	2.04	1.70	1.12		
IBMA	n	12	12	12		
40 mg/kg	Mean	17.23	17.18	17.38		
	S.D.	1.28	1.76	1.50		
IBMA	n	12	12	12		
120 mg/kg	Mean	11.99	14.41	17.11		
	S.D.	1.97	1.30	1.37		
		DT **	DT **			
Significantly different from IBMA 0 mg/kg: ** P<0.01						
DT : Dunnett test (two-side)						

Table 9 - 3

Study No. : SR22109

Food consumption		Period : Gestation Day 0-20			Unit : g	Species : Rat
Sex : Female						
Test article		/Day				
Dose		7	14	20		
IBMA	n	12	12	12		
0 mg/kg	Mean	23.39	25.98	26.30		
	S.D.	2.12	2.87	2.17		
IBMA	n	12	12	12		
12 mg/kg	Mean	21.95	23.71	23.93		
	S.D.	2.28	3.13	3.08		
IBMA	n	12	12	12		
40 mg/kg	Mean	22.17	24.82	24.45		
	S.D.	1.75	1.68	2.03		
IBMA	n	8	8	8		
120 mg/kg	Mean	20.88	23.10	22.18		
	S.D.	1.20	1.93	2.08		
		DT *	DT *	DT **		
Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01						
DT : Dunnett test (two-side)						

Table 9 - 4

Study No. : SR22109

Food consumption		Period : Lactation Day 0-13			Unit : g	Species : Rat
Sex : Female						
Test article		/Day				
Dose		4	7	13		
IBMA	n	12	11	12		
0 mg/kg	Mean	33.37	42.62	57.83		
	S.D.	4.59	3.64	4.29		
IBMA	n	12	12	12		
12 mg/kg	Mean	31.38	42.24	54.90		
	S.D.	4.54	5.68	4.98		
IBMA	n	12	12	12		
40 mg/kg	Mean	29.72	41.88	53.28		
	S.D.	5.66	4.55	6.37		
IBMA	n	5	5	5		
120 mg/kg	Mean	20.20	29.78	36.28		
	S.D.	2.24	2.85	7.52		
		DT **	DT **	DT **		
Significantly different from IBMA 0 mg/kg: ** P<0.01						
DT : Dunnett test (two-side)						

Table 9 - 5

Study No. : SR22109

Food consumption		Period : Administration Day 1-28					Unit : g	Species : Rat
Sex : Female (satellite)								
Test article	/Day							
Dose		4	7	14	21	28		
IBMA 0 mg/kg	n	10	10	10	10	10		
	Mean	18.40	18.20	18.32	18.04	17.31		
	S.D.	1.76	1.69	2.24	1.92	1.80		
IBMA 120 mg/kg	n	10	10	10	10	10		
	Mean	13.68	14.62	17.04	16.96	16.89		
	S.D.	2.01	2.25	1.91	2.03	1.49		
		T2 **	T2 **					

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

T2 : Student t-test (two-side)

Table 9 - 6

Study No. : SR22109

Food consumption		Period : Recovery Day 1-14		Unit : g	Species : Rat
Sex : Male					
Test article	/Day				
Dose		7	14		
IBMA	n	5	5		
0 mg/kg	Mean	26.96	26.62		
	S.D.	0.76	1.69		
IBMA	n	5	5		
120 mg/kg	Mean	32.18	31.00		
	S.D.	2.89	3.00		
		A2 *	T2 *		
Significantly different from IBMA 0 mg/kg: * P<0.05					
A2 : Welch test (two-side), T2 : Student t-test (two-side)					

Table 9 - 7

Study No. : SR22109

Food consumption		Period : Recovery Day 1-14		Unit : g	Species : Rat
Sex : Female (satellite)					
Test article	/Day				
Dose		7	14		
IBMA	n	5	5		
0 mg/kg	Mean	22.46	23.34		
	S.D.	2.19	2.37		
IBMA	n	5	5		
120 mg/kg	Mean	24.18	23.08		
	S.D.	2.61	2.32		
Not significantly different from IBMA 0 mg/kg					

- 104 -

Not significantly different from IBMA 0 mg/kg

Table 10 - 3

Study No. : SR22109

Urinary findings		Stage : Week 4				Species : Rat	
Sex : Male		Color					
Test article							
Dose		A	B	C	D		
IBMA	n	5	0	0	0		
0 mg/kg							
IBMA	n	5	0	0	0		
12 mg/kg							
IBMA	n	5	0	0	0		
40 mg/kg							
IBMA	n	5	0	0	0		
120 mg/kg							

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white
 Not significantly different from IBMA 0 mg/kg

Table 10 - 4

Study No. : SR22109

Urinary findings		Stage : Week 4		Species : Rat
Sex : Male				
Urine volume				
Test article	mL/21hr			
Dose				
IBMA 0 mg/kg	n	5		
	Mean	9.10		
	S.D.	2.22		
IBMA 12 mg/kg	n	5		
	Mean	10.70		
	S.D.	3.49		
IBMA 40 mg/kg	n	5		
	Mean	10.10		
	S.D.	4.10		
IBMA 120 mg/kg	n	5		
	Mean	14.70		
	S.D.	6.81		
Not significantly different from IBMA 0 mg/kg				

- 108 -

Not significantly different from IBMA 0 mg/kg

- 110 -

Table 10 - 8

Study No. : SR22109

Urinary findings		Stage : Week 4										Species : Rat	
Sex : Female (satellite)		Bilirubin					Occult blood						
Test article													
Dose		-	+	2+	3+		-	±	+	2+	3+		
IBMA	n	5	0	0	0		5	0	0	0	0		
0 mg/kg													
IBMA	n	5	0	0	0		5	0	0	0	0		
120 mg/kg													
Color													
Test article													
Dose		A	B	C	D								
IBMA	n	5	0	0	0								
0 mg/kg													
IBMA	n	5	0	0	0								
120 mg/kg													
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white													
Not significantly different from IBMA 0 mg/kg													

Table 10 - 9

Study No. : SR22109

Urinary findings		Stage : Week 4		Species : Rat
Sex : Female (satellite)				
Urine volume				
Test article	mL/21hr			
Dose				
IBMA	n	5		
0 mg/kg	Mean	8.10		
	S.D.	2.61		
IBMA	n	5		
120 mg/kg	Mean	9.10		
	S.D.	2.16		
Not significantly different from IBMA 0 mg/kg				

Table 10 - 10

Study No. : SR22109

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

Table 10 - 11

Study No. : SR22109

Urinary findings		Stage : Week 4										Species : Rat			
Sex : Female (satellite)		Tubular epithelium					Cast								
Test article															
Dose		-	±	+	2+	3+	-	±	+	2+	3+				
IBMA 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0	0	0	0	
IBMA 120 mg/kg	n	5	0	0	0	0	5	0	0	0	0	0	0	0	
Not significantly different from IBMA 0 mg/kg															

- 115 -

Table 10 - 13

Study No. : SR22109

Urinary findings		Stage : Recovery week 2										Species : Rat	
Sex : Male		Bilirubin					Occult blood						
Test article													
Dose		-	+	2+	3+		-	±	+	2+	3+		
IBMA	n	5	0	0	0		5	0	0	0	0		
0 mg/kg													
IBMA	n	5	0	0	0		3	2	0	0	0		
120 mg/kg													
Color													
Test article													
Dose		A	B	C	D								
IBMA	n	5	0	0	0								
0 mg/kg													
IBMA	n	5	0	0	0								
120 mg/kg													
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white													
Not significantly different from IBMA 0 mg/kg													

Table 10 - 14

Study No. : SR22109

Urinary findings		Stage : Recovery week 2		Species : Rat
Sex : Male				
		Urine volume		
Test article		mL/21hr		
Dose				
IBMA 0 mg/kg	n	5		
	Mean	12.70		
	S.D.	6.48		
IBMA 120 mg/kg	n	4		
	Mean	11.63		
	S.D.	1.80		
Not significantly different from IBMA 0 mg/kg				

- 118 -

Table 10 - 16

Study No. : SR22109

Urinary findings		Stage : Recovery week 2										Species : Rat	
Sex : Male		Tubular epithelium					Cast						
Test article		-	±	+	2+	3+	-	±	+	2+	3+		
IBMA 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0	0	0
IBMA 120 mg/kg	n	5	0	0	0	0	5	0	0	0	0	0	0
Not significantly different from IBMA 0 mg/kg													

- 120 -

Table 10 - 18

Study No. : SR22109

Urinary findings		Stage : Recovery week 2										Species : Rat	
Sex : Female (satellite)		Bilirubin					Occult blood						
Test article													
Dose		-	+	2+	3+		-	±	+	2+	3+		
IBMA	n	5	0	0	0		4	1	0	0	0		
0 mg/kg													
IBMA	n	5	0	0	0		4	0	1	0	0		
120 mg/kg													
Color													
Test article													
Dose		A	B	C	D								
IBMA	n	5	0	0	0								
0 mg/kg													
IBMA	n	5	0	0	0								
120 mg/kg													
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white													
Not significantly different from IBMA 0 mg/kg													

Table 10 - 19

Study No. : SR22109

Urinary findings		Stage : Recovery week 2		Species : Rat
Sex : Female (satellite)				
Urine volume				
Test article	mL/21hr			
Dose				
IBMA	n	5		
0 mg/kg	Mean	15.00		
	S.D.	3.48		
IBMA	n	5		
120 mg/kg	Mean	7.90		
	S.D.	2.04		
		T2 **		
Significantly different from IBMA 0 mg/kg: ** P<0.01				
T2 : Student t-test (two-side)				

- 123 -

Table 10 - 21

Study No. : SR22109

Urinary findings		Stage : Recovery week 2										Species : Rat	
Sex : Female (satellite)		Tubular epithelium					Cast						
Test article		-	±	+	2+	3+	-	±	+	2+	3+		
Dose													
IBMA	n	5	0	0	0	0	5	0	0	0	0	0	0
0 mg/kg													
IBMA	n	5	0	0	0	0	5	0	0	0	0	0	0
120 mg/kg													
Not significantly different from IBMA 0 mg/kg													

Table 11 - 1

Study No. : SR22109

Hematological findings		Stage : Day 29								Species : Rat	
Sex : Male		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil
Test article		10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL
Dose											
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	881.2	16.18	44.92	51.10	18.42	36.06	3.738	101.22	105.74	20.56
	S.D.	45.1	0.36	1.41	3.30	1.07	0.45	0.505	14.10	29.36	5.31
IBMA	n	5	5	5	5	5	5	5	5	5	5
12 mg/kg	Mean	876.0	16.18	45.30	51.74	18.46	35.70	3.426	111.98	87.54	13.48
	S.D.	27.2	0.55	1.44	1.81	0.51	0.51	0.572	17.32	13.38	4.24
IBMA	n	5	5	5	5	5	5	5	5	5	5
40 mg/kg	Mean	873.0	15.84	44.78	51.34	18.16	35.38	3.394	95.36	103.62	17.26
	S.D.	21.8	0.21	0.29	1.53	0.38	0.55	0.472	7.59	15.67	3.96
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	824.6	15.06	42.18	51.14	18.28	35.68	3.746	101.04	112.38	22.82
	S.D.	22.2	0.30	0.91	0.63	0.31	0.24	0.827	5.83	26.11	5.29
		DT *	DT **	DT **							
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article		10 ² /μL	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec				
Dose											
IBMA	n	5	5	5	5	5	5				
0 mg/kg	Mean	79.60	4.48	1.04	0.06	18.86	17.10				
	S.D.	23.89	0.31	0.61	0.05	1.23	1.48				
IBMA	n	5	5	5	5	5	5				
12 mg/kg	Mean	69.36	3.96	0.70	0.04	19.50	18.26				
	S.D.	15.06	0.93	0.20	0.05	2.53	2.16				
IBMA	n	5	5	5	5	5	5				
40 mg/kg	Mean	80.92	4.36	1.06	0.02	21.00	19.36				
	S.D.	14.15	0.97	0.36	0.04	3.51	1.39				
IBMA	n	5	5	5	5	5	5				
120 mg/kg	Mean	83.60	4.94	1.00	0.02	21.72	18.66				
	S.D.	21.71	1.58	0.19	0.04	2.87	3.05				

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 11 - 2

Study No. : SR22109

Hematological findings		Stage : Day 14 after parturition							Species : Rat		
Sex : Female		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil
Test article		10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL
Dose											
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	728.8	14.84	41.58	57.16	20.42	35.68	4.024	106.40	79.92	34.92
	S.D.	47.5	0.69	1.45	2.37	0.65	0.51	0.576	9.18	22.74	16.09
IBMA	n	5	5	5	5	5	5	5	5	5	5
12 mg/kg	Mean	754.6	15.12	42.46	56.60	20.12	35.62	4.888	105.02	76.06	31.72
	S.D.	78.0	1.07	3.17	5.39	1.42	0.83	1.188	17.22	13.13	11.50
IBMA	n	5	5	5	5	5	5	5	5	5	5
40 mg/kg	Mean	764.2	15.10	42.22	55.32	19.76	35.78	4.270	108.82	86.58	34.64
	S.D.	49.2	0.83	2.29	2.10	0.86	0.44	0.548	4.94	5.78	3.84
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	686.8	14.22	40.12	58.60	20.74	35.48	4.398	88.22	83.08	33.60
	S.D.	32.3	0.46	2.34	5.45	1.38	0.97	0.556	12.06	20.15	19.66
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article		10 ² /μL	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec				
Dose											
IBMA	n	5	5	5	5	5	5				
0 mg/kg	Mean	41.26	3.16	0.54	0.04	16.48	13.62				
	S.D.	13.90	1.73	0.27	0.05	0.55	1.50				
IBMA	n	5	5	5	5	5	5				
12 mg/kg	Mean	41.24	2.68	0.42	0.00	17.06	13.96				
	S.D.	7.87	0.99	0.15	0.00	0.59	1.34				
IBMA	n	5	5	5	5	5	5				
40 mg/kg	Mean	46.74	4.50	0.70	0.00	17.08	13.56				
	S.D.	4.55	1.96	0.43	0.00	0.52	1.04				
IBMA	n	5	5	5	5	5	5				
120 mg/kg	Mean	45.40	3.40	0.68	0.00	16.50	13.70				
	S.D.	5.19	0.72	0.16	0.00	0.70	1.37				

Not significantly different from IBMA 0 mg/kg

Table 11 - 3

Study No. : SR22109

Hematological findings		Stage : Day 29							Species : Rat		
Sex : Female (satellite)		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil
Test article		10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL
Dose											
IBMA 0 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	801.8	15.66	43.42	54.14	19.54	36.06	2.814	106.18	67.02	10.60
	S.D.	18.6	0.48	1.71	1.81	0.53	0.48	0.449	14.93	7.76	4.70
IBMA 120 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	729.8	14.32	40.02	54.84	19.62	35.74	4.184	95.16	59.36	9.44
	S.D.	31.9	0.69	1.57	0.32	0.13	0.35	0.800	8.34	25.13	5.12
		T2 **	T2 **	T2 *				T2 *			
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article		10 ² /μL	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec				
Dose											
IBMA 0 mg/kg	n	5	5	5	5	5	5				
	Mean	53.64	1.86	0.92	0.00	17.36	13.38				
	S.D.	7.96	0.50	0.18	0.00	0.86	0.54				
IBMA 120 mg/kg	n	5	5	5	5	5	5				
	Mean	47.44	1.66	0.82	0.00	16.46	13.40				
	S.D.	22.29	0.48	0.19	0.00	0.38	0.57				

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

T2 : Student t-test (two-side)

Table 11 - 4

Study No. : SR22109

Hematological findings		Stage : Recovery Day 15							Species : Rat		
Sex : Male		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil
Test article		10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL
Dose											
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	891.0	15.78	43.82	49.22	17.74	36.00	2.752	100.70	86.32	12.90
	S.D.	31.9	0.54	1.00	2.16	0.80	0.65	0.186	6.82	17.80	3.53
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	872.6	15.36	43.72	50.14	17.62	35.14	3.512	112.26	86.54	14.10
	S.D.	43.8	0.49	1.24	1.52	0.41	0.74	0.561	15.70	18.21	4.07
T2 *											
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article		10 ² /μL	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec				
Dose											
IBMA	n	5	5	5	5	5	5				
0 mg/kg	Mean	68.08	3.82	1.48	0.04	21.18	17.86				
	S.D.	15.84	0.85	0.22	0.05	2.01	1.24				
IBMA	n	5	5	5	5	5	5				
120 mg/kg	Mean	66.56	4.56	1.32	0.00	20.46	18.56				
	S.D.	13.24	1.23	0.24	0.00	2.13	1.14				

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

T2 : Student t-test (two-side)

Table 11 - 5

Study No. : SR22109

Hematological findings		Stage : Recovery Day 15							Species : Rat		
Sex : Female (satellite)		RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil
Test article		10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL
Dose											
IBMA 0 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	853.4	15.86	43.96	51.54	18.58	36.10	2.692	93.78	53.20	9.50
	S.D.	36.0	0.79	2.25	2.51	0.75	0.43	0.512	4.28	12.06	3.24
IBMA 120 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	778.4	14.86	42.12	54.14	19.12	35.26	3.298	103.36	49.14	9.02
	S.D.	21.8	0.74	2.05	2.58	0.95	0.42	0.498	6.00	8.44	3.04
		T2 **					T2 *		T2 *		
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article		10 ² /μL	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec				
Dose											
IBMA 0 mg/kg	n	5	5	5	5	5	5				
	Mean	40.10	2.40	1.20	0.00	16.34	12.70				
	S.D.	9.13	0.59	0.41	0.00	0.34	0.87				
IBMA 120 mg/kg	n	5	5	5	5	5	5				
	Mean	37.12	1.94	1.06	0.00	17.18	13.10				
	S.D.	6.12	0.53	0.36	0.00	0.56	1.13				
						T2 *					

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

T2 : Student t-test (two-side)

Table 12 - 1

Study No. : SR22109

Biochemical findings		Stage : Day 29								Species : Rat	
Sex : Male		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP
Test article		IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL
Dose											
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	69.8	28.8	137.2	0.48	0.054	19.80	151.2	50.0	18.0	5.40
	S.D.	18.5	5.3	24.4	0.11	0.005	22.36	17.3	8.9	8.5	0.20
IBMA	n	5	5	5	5	5	5	5	5	5	5
12 mg/kg	Mean	70.6	32.0	133.6	0.38	0.052	16.92	147.4	55.0	28.2	5.62
	S.D.	7.0	4.4	53.5	0.13	0.011	12.07	17.6	9.9	16.2	0.28
IBMA	n	5	5	5	5	5	5	5	5	5	5
40 mg/kg	Mean	61.4	30.2	127.2	0.56	0.054	10.18	141.8	58.0	26.4	5.46
	S.D.	5.9	3.8	8.2	0.11	0.009	5.98	9.7	8.3	6.0	0.29
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	68.8	33.8	123.2	0.72	0.050	13.40	141.0	51.8	16.4	5.50
	S.D.	9.3	2.5	26.3	0.24	0.010	8.73	18.9	11.6	10.0	0.12
		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											
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	11.76	0.288	144.4	4.250	105.0	9.38	6.32	0.908	2.562	47.50
	S.D.	1.33	0.018	0.9	0.133	1.7	0.19	0.68	0.068	0.075	1.84
IBMA	n	5	5	5	5	5	5	5	5	5	5
12 mg/kg	Mean	12.12	0.290	144.0	4.448	103.8	9.54	6.70	0.926	2.696	48.06
	S.D.	0.59	0.007	1.0	0.142	0.8	0.25	0.54	0.067	0.077	1.78
IBMA	n	5	5	5	5	5	5	5	5	5	5
40 mg/kg	Mean	13.04	0.280	143.8	4.494	103.8	9.52	6.66	0.956	2.666	48.86
	S.D.	1.39	0.024	0.4	0.243	1.3	0.35	0.42	0.067	0.086	1.82
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	13.34	0.260	143.2	4.402	103.0	9.54	7.00	0.966	2.700	49.08
	S.D.	1.09	0.016	1.1	0.163	1.6	0.29	0.29	0.055	0.089	1.48

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

DT : Dunnett test (two-side)

DT *

Table 12 - 2

Study No. : SR22109

Biochemical findings		Stage : Day 29				Species : Rat
Sex : Male		α 1-G	α 2-G	β -G	γ -G	
Test article		%	%	%	%	
Dose						
IBMA	n	5	5	5	5	
0 mg/kg	Mean	23.22	9.52	14.34	5.42	
	S.D.	2.37	0.83	0.43	0.94	
IBMA	n	5	5	5	5	
12 mg/kg	Mean	22.14	9.80	14.30	5.70	
	S.D.	1.06	0.43	0.78	1.02	
IBMA	n	5	5	5	5	
40 mg/kg	Mean	21.22	9.50	14.66	5.76	
	S.D.	1.81	0.85	1.50	0.90	
IBMA	n	5	5	5	5	
120 mg/kg	Mean	20.62	9.54	15.24	5.52	
	S.D.	2.03	0.57	0.71	1.20	
Not significantly different from IBMA 0 mg/kg						

Table 12 - 3

Study No. : SR22109

Biochemical findings		Stage : Day 14 after parturition								Species : Rat	
Sex : Female		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP
Test article		IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL
Dose											
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	189.8	93.6	126.2	1.02	0.038	34.22	148.8	99.2	54.8	5.74
	S.D.	123.2	56.6	21.1	0.29	0.016	10.90	26.3	10.5	8.7	0.24
IBMA	n	5	5	5	5	5	5	5	5	5	5
12 mg/kg	Mean	143.6	71.8	97.0	1.22	0.036	19.36	141.6	106.4	68.4	6.04
	S.D.	32.4	17.0	32.4	0.30	0.015	7.57	15.9	18.1	34.8	0.43
							DT *				
IBMA	n	5	5	5	5	5	5	5	5	5	5
40 mg/kg	Mean	111.2	65.8	114.6	1.14	0.042	16.58	137.6	94.8	61.8	5.76
	S.D.	51.6	14.6	25.1	0.32	0.011	3.85	15.3	13.3	21.4	0.23
							DT *				
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	119.6	65.4	78.4	1.08	0.046	15.02	146.8	99.6	25.2	6.06
	S.D.	39.9	34.4	23.3	0.45	0.017	9.28	13.9	25.7	10.5	0.27
				DT *			DT **			ST *	
		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											
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	21.56	0.364	138.8	4.348	99.8	9.44	7.90	0.904	2.728	47.46
	S.D.	1.44	0.032	1.6	0.155	1.9	0.22	0.99	0.067	0.185	1.82
IBMA	n	5	5	5	5	5	5	5	5	5	5
12 mg/kg	Mean	24.02	0.356	137.4	4.562	98.0	9.74	8.58	0.948	2.922	48.48
	S.D.	4.66	0.045	2.3	0.402	1.9	0.55	2.33	0.125	0.203	3.37
IBMA	n	5	5	5	5	5	5	5	5	5	5
40 mg/kg	Mean	23.06	0.360	138.4	4.210	98.0	9.30	8.38	0.892	2.714	47.14
	S.D.	8.80	0.059	1.9	0.209	1.9	0.31	1.69	0.037	0.083	1.01
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	16.86	0.270	139.0	4.106	99.8	9.70	6.86	0.990	3.010	49.66
	S.D.	2.96	0.053	0.7	0.664	3.3	0.42	1.34	0.082	0.233	2.10
		ST *	DT *								

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side), ST : Steel test (two-side)

Table 12 - 4

Study No. : SR22109

Biochemical findings		Stage : Day 14 after parturition				Species : Rat
Sex : Female		α 1-G	α 2-G	β -G	γ -G	
Test article		%	%	%	%	
Dose	n	5	5	5	5	
IBMA	Mean	21.22	10.38	15.80	5.14	
0 mg/kg	S.D.	1.85	0.44	0.77	1.75	
IBMA	n	5	5	5	5	
12 mg/kg	Mean	19.72	10.62	16.48	4.70	
	S.D.	1.46	1.62	0.83	1.22	
IBMA	n	5	5	5	5	
40 mg/kg	Mean	21.34	10.26	16.22	5.04	
	S.D.	2.39	1.19	1.24	1.02	
IBMA	n	5	5	5	5	
120 mg/kg	Mean	18.92	9.44	15.24	6.74	
	S.D.	2.51	1.35	0.34	2.38	
Not significantly different from IBMA 0 mg/kg						

Table 12 - 5

Study No. : SR22109

Biochemical findings		Stage : Day 29								Species : Rat	
Sex : Female (satellite)		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP
Test article		IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL
Dose											
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	71.4	32.0	69.6	1.00	0.050	13.86	129.4	53.0	9.8	5.76
	S.D.	15.3	10.0	27.9	0.33	0.007	3.93	6.1	13.2	6.1	0.46
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	60.6	25.0	48.6	1.04	0.054	10.82	127.0	67.4	9.0	5.94
	S.D.	8.1	3.7	12.0	0.11	0.011	2.91	6.1	20.9	3.7	0.22
		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											
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	15.84	0.336	144.4	4.462	107.0	9.56	5.82	1.116	3.036	52.68
	S.D.	2.14	0.032	1.1	0.453	1.4	0.47	0.70	0.040	0.267	0.89
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	14.48	0.276	141.8	4.436	104.0	9.44	6.22	1.118	3.134	52.76
	S.D.	3.77	0.043	1.3	0.387	1.6	0.23	0.59	0.043	0.116	1.01
			T2 *	T2 **		T2 *					
		α1-G	α2-G	β-G	γ-G						
Test article		%	%	%	%						
Dose											
IBMA	n	5	5	5	5						
0 mg/kg	Mean	18.96	7.80	13.52	7.04						
	S.D.	1.00	0.43	0.70	1.16						
IBMA	n	5	5	5	5						
120 mg/kg	Mean	17.12	8.10	14.10	7.92						
	S.D.	0.88	0.24	0.52	0.64						
			T2 *								

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

T2 : Student t-test (two-side)

Table 12 - 6

Study No. : SR22109

Biochemical findings		Stage : Recovery Day 15								Species : Rat	
Sex : Male		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP
Test article		IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL
Dose											
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	73.8	33.4	101.8	0.54	0.052	10.12	145.4	45.0	18.4	5.32
	S.D.	12.4	3.1	30.2	0.11	0.004	3.11	9.0	6.7	12.9	0.11
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	63.8	36.4	100.8	0.46	0.036	7.44	158.8	48.2	26.8	5.36
	S.D.	3.8	4.1	10.3	0.13	0.005	3.55	17.5	9.1	8.9	0.27
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											
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	15.68	0.306	143.8	4.254	104.8	8.98	5.94	0.832	2.408	45.28
	S.D.	1.72	0.023	0.4	0.146	0.8	0.29	0.36	0.077	0.169	2.33
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	14.98	0.266	140.8	4.420	102.2	9.04	6.04	0.844	2.452	45.72
	S.D.	2.08	0.027	2.2	0.187	1.3	0.29	0.48	0.053	0.132	1.47
T2 * A2 * T2 **											
		α1-G	α2-G	β-G	γ-G						
Test article		%	%	%	%						
Dose											
IBMA	n	5	5	5	5						
0 mg/kg	Mean	24.90	8.34	15.32	6.16						
	S.D.	2.20	0.65	1.35	0.95						
IBMA	n	5	5	5	5						
120 mg/kg	Mean	24.14	8.62	15.78	5.74						
	S.D.	1.26	0.54	0.53	0.78						

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

A2 : Welch test (two-side), T2 : Student t-test (two-side)

Table 12 - 7

Study No. : SR22109

Biochemical findings		Stage : Recovery Day 15									
Sex : Female (satellite)		Species : Rat									
		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP
Test article		IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL
Dose											
IBMA 0 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	71.6	36.0	56.2	1.00	0.064	8.84	129.0	76.0	12.8	5.96
	S.D.	20.7	15.2	6.7	0.43	0.011	4.34	15.5	4.0	4.6	0.11
IBMA 120 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	89.8	46.4	37.0	1.04	0.058	22.30	117.4	67.6	10.6	6.00
	S.D.	59.3	35.8	8.8	0.59	0.004	24.06	6.5	21.3	4.8	0.24
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											
IBMA 0 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	16.20	0.364	141.4	4.328	104.0	9.50	5.92	1.108	3.128	52.52
	S.D.	1.85	0.015	0.5	0.249	1.2	0.16	0.47	0.044	0.064	1.00
IBMA 120 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	16.40	0.322	142.4	4.672	105.4	9.50	6.28	1.102	3.142	52.32
	S.D.	1.76	0.054	2.1	0.200	2.2	0.32	0.29	0.097	0.208	2.17
T2 *											
		α1-G	α2-G	β-G	γ-G						
Test article		%	%	%	%						
Dose											
IBMA 0 mg/kg	n	5	5	5	5						
	Mean	18.66	8.20	14.16	6.46						
	S.D.	1.28	0.79	0.53	0.54						
IBMA 120 mg/kg	n	5	5	5	5						
	Mean	18.52	7.26	14.32	7.58						
	S.D.	0.99	0.45	0.88	0.37						
			T2 *	T2 **							

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

T2 : Student t-test (two-side)

Table 13 - 1

Study No. : SR22109

Serum T4 concentration		Stage : Day 29		Species : Rat	
Sex : Male					
T4					
Test article	ng/mL				
Dose					
IBMA	n	7			
0 mg/kg	Mean	53.76			
	S.D.	8.63			
IBMA	n	12			
12 mg/kg	Mean	59.86			
	S.D.	11.08			
IBMA	n	12			
40 mg/kg	Mean	64.00			
	S.D.	6.47			
IBMA	n	7			
120 mg/kg	Mean	67.71			
	S.D.	12.49			
		DT *			
Significantly different from IBMA 0 mg/kg: * P<0.05					
DT : Dunnett test (two-side)					

Table 13 - 2

Study No. : SR22109

Serum T4 concentration		Stage : Day 14 after parturition		Species : Rat	
Sex : Female					
T4					
Test article	ng/mL				
Dose					
IBMA	n	12			
0 mg/kg	Mean	45.40			
	S.D.	6.03			
IBMA	n	12			
12 mg/kg	Mean	48.33			
	S.D.	8.52			
IBMA	n	12			
40 mg/kg	Mean	48.74			
	S.D.	7.31			
IBMA	n	5			
120 mg/kg	Mean	50.98			
	S.D.	5.36			
Not significantly different from IBMA 0 mg/kg					

Table 13 - 3

Study No. : SR22109

Serum T4 concentration		Stage : Day 29		Species : Rat
Sex : Female (satellite)				
T4				
Test article		ng/mL		
Dose				
IBMA	n	5		
0 mg/kg	Mean	39.78		
	S.D.	4.75		
IBMA	n	5		
120 mg/kg	Mean	52.24		
	S.D.	1.25		
		A2 **		
Significantly different from IBMA 0 mg/kg: ** P<0.01				
A2 : Welch test (two-side)				

Table 13 - 4

Study No. : SR22109

Serum T4 concentration		Stage : Recovery day 15		Species : Rat	
Sex : Male		T4			
Test article		ng/mL			
Dose					
IBMA 0 mg/kg	n	5			
	Mean	51.98			
	S.D.	4.39			
IBMA 120 mg/kg	n	5			
	Mean	47.02			
	S.D.	4.64			
Not significantly different from IBMA 0 mg/kg					

Table 13 - 5

Study No. : SR22109

Serum T4 concentration		Stage : Recovery day 15		Species : Rat	
Sex : Female (satellite)		T4			
Test article		ng/mL			
Dose					
IBMA	n	5			
0 mg/kg	Mean	35.32			
	S.D.	3.32			
IBMA	n	5			
120 mg/kg	Mean	33.88			
	S.D.	7.55			
Not significantly different from IBMA 0 mg/kg					

Table 14 - 1

Study No. : SR22109

Necropsy findings		Stage : Day 29				Species : Rat
Organ Findings	Sex : Male					
	Test article	IBMA	IBMA	IBMA	IBMA	
	Dose	0	12	40	120	
		mg/kg	mg/kg	mg/kg	mg/kg	
	Number of Animals	7	12	12	7	
All organs & tissues		<7/7>	<12/12>	<12/12>	<7/7>	
<> : Not remarkable/Number of animals examined						

Table 14 - 2

Study No. : SR22109

Necropsy findings		Stage : Day 14 after parturition				Species : Rat
Sex : Female						
Organ	Test article	IBMA	IBMA	IBMA	IBMA	
Findings	Dose	0	12	40	120	
	Number of Animals	mg/kg	mg/kg	mg/kg	mg/kg	
		12	12	12	7	
Stomach		<12/12>	<12/12>	<12/12>	<6/7>	
Dark red focus, mucosa	P	0	0	0	1	
Other organs & tissues		<12/12>	<12/12>	<12/12>	<7/7>	

<> : Not remarkable/Number of animals examined

P : Non-graded change

Table 14 - 3

Study No. : SR22109

Necropsy findings		Stage : Interim euthanasia		Species : Rat
Sex : Female				
Organ Findings	Test article	IBMA		
	Dose	120		
		mg/kg		
	Number of Animals	1		
All organs & tissues		<1/1>		
<> : Not remarkable/Number of animals examined				

Table 14 - 4

Study No. : SR22109

Necropsy findings		Stage : Non-pregnancy		Species : Rat	
Sex : Female					
Organ Findings	Test article	IBMA			
	Dose	120			
		mg/kg			
	Number of Animals	4			
All organs & tissues		<4/4>			
<> : Not remarkable/Number of animals examined					

Table 14 - 5

Study No. : SR22109

Necropsy findings		Stage : Day 29		Species : Rat
Sex : Female (satellite)				
Organ	Test article	IBMA	IBMA	
	Dose	0	120	
Findings		mg/kg	mg/kg	
	Number of Animals	5	5	
All organs & tissues		<5/5>	<5/5>	
<> : Not remarkable/Number of animals examined				

Table 14 - 6

Study No. : SR22109

Necropsy findings		Stage : Recovery day 15		Species : Rat
Sex : Male				
Organ Findings	Test article	IBMA	IBMA	
	Dose	0	120	
		mg/kg	mg/kg	
	Number of Animals	5	5	
All organs & tissues		<5/5>	<5/5>	
<> : Not remarkable/Number of animals examined				

Table 14 - 7

Study No. : SR22109

Necropsy findings		Stage : Recovery day 15		Species : Rat
Sex : Female (satellite)				
Organ	Test article	IBMA	IBMA	
	Dose	0	120	
Findings		mg/kg	mg/kg	
	Number of Animals	5	5	
All organs & tissues		<5/5>	<5/5>	
<> : Not remarkable/Number of animals examined				

Table 15 - 1

Study No. : SR22109

Organ weight		Stage : Day 29								Species : Rat	
Sex : Male		Body weight	Liver		Kidney		Heart		Spleen		
Test article	Dose		AB	RE	AB	RE	AB	RE	AB	RE	
		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g	
IBMA	n	7	7	7	7	7	7	7	7	7	
0 mg/kg	Mean	475.4	12.371	2.589	3.280	0.691	1.437	0.301	699.1	146.810	
	S.D.	46.0	2.175	0.238	0.298	0.064	0.195	0.016	108.5	16.052	
IBMA	n	12	12	12	12	12	12	12	12	12	
12 mg/kg	Mean	470.8	12.203	2.586	3.108	0.663	1.441	0.308	760.9	161.213	
	S.D.	42.3	1.859	0.252	0.307	0.054	0.147	0.023	149.6	25.451	
IBMA	n	12	12	12	12	12	12	12	12	12	
40 mg/kg	Mean	448.5	12.046	2.678	3.161	0.707	1.438	0.320	694.0	154.328	
	S.D.	35.4	1.543	0.150	0.251	0.052	0.138	0.019	103.7	15.035	
IBMA	n	7	7	7	7	7	7	7	7	7	
120 mg/kg	Mean	424.0	12.596	2.954	3.191	0.750	1.426	0.336	630.7	148.247	
	S.D.	48.5	2.311	0.247	0.465	0.037	0.209	0.026	115.5	17.866	
				DT *				DT *			
		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
IBMA	n	7	7	7	7	7	7	7	7	7	7
0 mg/kg	Mean	358.7	74.701	68.7	14.679	12.73	2.697	22.71	4.797	3.204	0.683
	S.D.	107.9	18.683	7.6	2.821	1.76	0.430	3.14	0.643	0.109	0.083
IBMA	n	12	12	12	12	12	12	12	12	12	12
12 mg/kg	Mean	379.7	80.605	70.0	14.876	11.68	2.486	25.86	5.499	3.163	0.676
	S.D.	82.4	15.930	10.8	1.852	1.32	0.235	6.56	1.347	0.182	0.051
IBMA	n	12	12	12	12	12	12	12	12	12	12
40 mg/kg	Mean	345.3	77.213	64.9	14.503	11.53	2.578	23.68	5.273	3.106	0.697
	S.D.	97.6	21.993	10.2	2.237	1.55	0.350	5.26	1.056	0.155	0.057
IBMA	n	7	7	7	7	7	7	7	7	7	7
120 mg/kg	Mean	255.6	60.193	64.7	15.467	10.56	2.539	24.56	5.826	3.111	0.737
	S.D.	62.6	12.212	7.4	2.815	2.48	0.778	5.50	1.367	0.226	0.048

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

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

DT : Dunnett test (two-side)

Table 15 - 2

Study No. : SR22109

Organ weight Sex : Male		Stage : Day 29						Species : Rat	
		Epididymis		Prostate		Seminal vesicle		Brain	
Test article		AB	RE	AB	RE	AB	RE	AB	RE
Dose	n	g	g/100g	mg	mg/100g	g	g/100g	g	g/100g
IBMA	n	7	7	7	7	7	7	7	7
0 mg/kg	Mean	1.281	0.271	687.6	145.860	2.311	0.493	2.226	0.471
	S.D.	0.120	0.042	178.3	38.498	0.293	0.084	0.133	0.053
IBMA	n	12	12	12	12	12	12	12	12
12 mg/kg	Mean	1.255	0.267	647.1	139.212	2.318	0.493	2.248	0.481
	S.D.	0.129	0.028	180.8	43.871	0.409	0.084	0.166	0.044
IBMA	n	12	12	12	12	12	12	12	12
40 mg/kg	Mean	1.280	0.288	666.7	148.094	2.420	0.543	2.260	0.508
	S.D.	0.110	0.030	171.1	33.016	0.290	0.077	0.089	0.033
IBMA	n	7	7	7	7	7	7	7	7
120 mg/kg	Mean	1.183	0.280	672.0	158.793	2.617	0.626	2.146	0.511
	S.D.	0.120	0.038	186.8	42.192	0.339	0.114	0.068	0.059
							DT *		

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

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

DT : Dunnett test (two-side)

Table 15 - 3

Study No. : SR22109

Organ weight Sex : Female			Stage : Day 14 after parturition							Species : Rat	
Test article Dose		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	
IBMA 0 mg/kg	n	12	12	12	12	12	12	12	12	12	
	Mean	356.0	12.755	3.582	2.353	0.663	1.223	0.344	647.2	181.458	
	S.D.	18.5	1.203	0.268	0.162	0.052	0.151	0.036	98.6	23.233	
IBMA 12 mg/kg	n	12	12	12	12	12	12	12	12	12	
	Mean	343.1	12.897	3.757	2.328	0.680	1.196	0.349	622.9	181.868	
	S.D.	21.3	1.197	0.197	0.168	0.031	0.076	0.022	61.0	17.389	
IBMA 40 mg/kg	n	12	12	12	12	12	12	12	12	12	
	Mean	341.6	12.257	3.588	2.477	0.727	1.203	0.353	629.1	184.038	
	S.D.	11.1	0.610	0.109	0.208	0.066	0.071	0.022	92.6	25.598	
IBMA 120 mg/kg						DT *					
	n	5	5	5	5	5	5	5	5	5	
	Mean	315.0	11.970	3.806	2.432	0.774	1.092	0.348	527.8	167.186	
	S.D.	10.7	1.167	0.408	0.199	0.069	0.058	0.016	69.2	17.265	
		DT **				DT **			DT *		
Test article Dose		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
IBMA 0 mg/kg	n	12	12	12	12	12	12	12	12	12	12
	Mean	266.3	74.612	82.6	23.221	15.59	4.390	17.75	4.987	110.2	31.005
	S.D.	58.6	15.141	8.7	2.420	2.93	0.839	2.71	0.737	12.7	3.634
IBMA 12 mg/kg	n	12	12	12	12	12	12	12	12	12	12
	Mean	279.1	81.284	81.0	23.584	15.82	4.623	17.88	5.231	103.8	30.256
	S.D.	85.0	23.839	11.4	2.647	2.67	0.806	2.41	0.785	18.9	5.144
IBMA 40 mg/kg	n	12	12	12	12	12	12	12	12	12	12
	Mean	277.3	81.089	83.2	24.386	15.59	4.573	16.01	4.709	100.6	29.388
	S.D.	69.2	19.994	12.4	3.864	2.81	0.876	4.30	1.346	17.9	4.842
IBMA 120 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	238.6	75.600	80.4	25.542	14.82	4.710	19.96	6.336	104.8	33.302
	S.D.	57.0	17.134	7.9	2.572	1.09	0.375	2.57	0.781	14.6	4.722
									DT *		

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

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 15 - 4

Study No. : SR22109

Organ weight Sex : Female		Stage : Day 14 after parturition				Species : Rat
		Uterus		Brain		
Test article Dose		AB mg	RE mg/100g	AB g	RE g/100g	
IBMA 0 mg/kg	n	12	12	12	12	
	Mean	567.9	158.663	2.109	0.593	
	S.D.	146.5	35.161	0.099	0.041	
IBMA 12 mg/kg	n	12	12	12	12	
	Mean	544.8	158.555	2.101	0.613	
	S.D.	108.6	29.133	0.103	0.044	
IBMA 40 mg/kg	n	12	12	12	12	
	Mean	554.5	162.515	2.125	0.623	
	S.D.	70.7	21.609	0.089	0.036	
IBMA 120 mg/kg	n	5	5	5	5	
	Mean	561.6	178.336	2.052	0.648	
	S.D.	57.1	17.342	0.122	0.019	
					DT *	

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

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

DT : Dunnett test (two-side)

Table 15 - 5

Study No. : SR22109

Organ weight		Stage : Day 29									
Sex : Female (satellite)		Species : Rat									
		Body weight	Liver		Kidney		Heart		Spleen		
Test article			AB	RE	AB	RE	AB	RE	AB	RE	
Dose		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g	
IBMA	n	5	5	5	5	5	5	5	5	5	
0 mg/kg	Mean	281.2	6.958	2.476	1.860	0.662	0.904	0.322	597.8	213.154	
	S.D.	17.8	0.467	0.113	0.129	0.038	0.047	0.027	88.5	33.351	
IBMA	n	5	5	5	5	5	5	5	5	5	
120 mg/kg	Mean	264.8	7.840	2.960	2.034	0.766	0.936	0.352	467.6	177.042	
	S.D.	13.2	0.579	0.137	0.240	0.061	0.038	0.011	59.6	24.320	
			T2 *	T2 **		T2 *		T2 *	T2 *		
		Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
Test article		AB	RE	AB	RE	AB	RE	AB	RE	AB	RE
Dose		mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	377.8	134.506	73.6	26.046	15.66	5.566	20.12	7.072	87.4	30.974
	S.D.	53.4	18.541	13.7	3.299	2.42	0.787	6.42	1.822	14.9	4.010
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	302.8	114.098	79.4	29.938	15.48	5.864	20.82	7.868	70.8	26.704
	S.D.	55.7	18.918	9.3	2.594	4.08	1.618	5.15	1.989	8.4	2.373
		Uterus		Brain							
Test article		AB	RE	AB	RE						
Dose		mg	mg/100g	g	g/100g						
IBMA	n	5	5	5	5						
0 mg/kg	Mean	494.8	175.846	2.052	0.732						
	S.D.	93.2	31.011	0.094	0.068						
IBMA	n	5	5	5	5						
120 mg/kg	Mean	432.8	163.886	2.044	0.772						
	S.D.	68.5	28.747	0.064	0.033						

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

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

T2 : Student t-test (two-side)

Table 15 - 6

Study No. : SR22109

Organ weight Sex : Male		Stage : Recovery Day 15								Species : Rat	
		Body weight	Liver		Kidney		Heart		Spleen		
Test article			AB	RE	AB	RE	AB	RE	AB	RE	
Dose		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g	
IBMA	n	5	5	5	5	5	5	5	5	5	
0 mg/kg	Mean	483.6	11.390	2.354	3.150	0.652	1.456	0.302	704.8	146.242	
	S.D.	25.1	0.968	0.113	0.110	0.013	0.137	0.032	56.2	16.008	
IBMA	n	5	5	5	5	5	5	5	5	5	
120 mg/kg	Mean	476.4	12.222	2.562	3.406	0.714	1.432	0.302	742.8	157.212	
	S.D.	26.8	1.137	0.148	0.301	0.050	0.041	0.011	103.5	31.223	
				T2 *		A2 *					
		Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
Test article		AB	RE	AB	RE	AB	RE	AB	RE	AB	RE
Dose		mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g	g	g/100g
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	316.4	65.544	62.2	12.880	12.08	2.514	24.96	5.192	3.126	0.648
	S.D.	43.4	9.514	9.7	2.079	1.45	0.406	4.21	1.044	0.200	0.059
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	418.2	88.114	65.0	13.658	10.66	2.248	26.10	5.468	3.452	0.724
	S.D.	92.0	20.470	7.7	1.563	0.96	0.288	5.01	0.923	0.247	0.070
		Epididymis		Prostate		Seminal vesicle		Brain			
Test article		AB	RE	AB	RE	AB	RE	AB	RE		
Dose		g	g/100g	mg	mg/100g	g	g/100g	g	g/100g		
IBMA	n	5	5	5	5	5	5	5	5		
0 mg/kg	Mean	1.362	0.284	716.0	148.332	2.484	0.516	2.134	0.442		
	S.D.	0.064	0.021	75.0	16.643	0.251	0.065	0.057	0.029		
IBMA	n	5	5	5	5	5	5	5	5		
120 mg/kg	Mean	1.362	0.288	755.6	159.024	2.770	0.584	2.204	0.466		
	S.D.	0.052	0.016	174.2	36.859	0.144	0.047	0.086	0.034		

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

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

A2 : Welch test (two-side), T2 : Student t-test (two-side)

Table 15 - 7

Study No. : SR22109

Organ weight		Stage : Recovery Day 15									
Sex : Female (satellite)		Species : Rat									
		Body weight	Liver		Kidney		Heart		Spleen		
Test article			AB	RE	AB	RE	AB	RE	AB	RE	
Dose		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g	
IBMA	n	5	5	5	5	5	5	5	5	5	
0 mg/kg	Mean	301.2	7.840	2.600	1.894	0.630	0.938	0.312	531.6	175.962	
	S.D.	14.9	0.847	0.183	0.090	0.037	0.047	0.008	85.2	22.485	
IBMA	n	5	5	5	5	5	5	5	5	5	
120 mg/kg	Mean	277.2	7.330	2.646	1.966	0.710	0.922	0.334	531.6	191.892	
	S.D.	14.3	0.798	0.245	0.225	0.077	0.110	0.042	45.5	15.388	
	T2 *										
		Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
Test article		AB	RE	AB	RE	AB	RE	AB	RE	AB	RE
Dose		mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g
IBMA	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	324.8	107.870	81.6	27.106	16.62	5.514	19.80	6.572	104.0	34.546
	S.D.	68.6	23.329	4.8	1.259	1.95	0.518	2.12	0.612	18.9	6.271
IBMA	n	5	5	5	5	5	5	5	5	5	5
120 mg/kg	Mean	358.0	129.004	78.4	28.332	14.66	5.296	15.70	5.668	99.4	35.844
	S.D.	86.5	29.132	9.9	3.625	1.90	0.668	2.64	0.948	9.8	2.939
	T2 *										
		Uterus		Brain							
Test article		AB	RE	AB	RE						
Dose		mg	mg/100g	g	g/100g						
IBMA	n	5	5	5	5						
0 mg/kg	Mean	541.8	178.666	2.062	0.686						
	S.D.	146.4	40.803	0.045	0.033						
IBMA	n	5	5	5	5						
120 mg/kg	Mean	498.6	180.278	2.000	0.722						
	S.D.	59.4	23.467	0.156	0.078						

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

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

T2 : Student t-test (two-side)

Table 16 - 1

Study No. : SR22109

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Male												
Test article		IBMA					IBMA					
Dose		0					120					
mg/kg		7					7					
Organ Findings	Number of Animals Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
		<7>					<7>					
Lung		7					7					
Bronchus		7					7					
Trachea		7					7					
Submandibular gland		7					7					
Esophagus		7					7					
Stomach		7					7					
Duodenum		7					7					
Jejunum		7					7					
Ileum		7					7					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 2

Study No. : SR22109

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Male												
Organ Findings	Test article	IBMA					IBMA					
	Dose	0 mg/kg					120 mg/kg					
	Number of Animals	7					7					
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Cecum		<7>					<7>					
		7					7					
Colon		<7>					<7>					
		7					7					
Rectum		<7>					<7>					
		7					7					
Pancreas		<7>					<7>					
		7					7					
Liver		<7>					<7>					
		7					7					
Heart		<7>					<7>					
Infiltration, inflammatory cell, focal		5	2	0	0	0	7	0	0	0	0	
Kidney		<7>					<7>					
Cast, hyaline		7	0	0	0	0	6	1	0	0	0	
Urinary bladder		<7>					<7>					
		7					7					
Testis		<7>					<7>					
		7					7					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 3

Study No. : SR22109

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Male												
Test article		IBMA					IBMA					
Dose		0					120					
mg/kg		7					7					
Organ Findings	Number of Animals Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Epididymis		<7>					<7>					
Infiltration, inflammatory cell, interstitium		7	0	0	0	0	6	1	0	0	0	
Prostate		<7>					<7>					
Inflammation, interstitium		4	3	0	0	0	7	0	0	0	0	
Seminal vesicle		<7>					<7>					
		7					7					
Coagulating gland		<7>					<7>					
		7					7					
Cerebrum		<7>					<7>					
		7					7					
Cerebellum		<7>					<7>					
		7					7					
Pons		<7>					<7>					
		7					7					
Spinal cord		<7>					<7>					
		7					7					
Sciatic nerve		<7>					<7>					
		7					7					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 4

Study No. : SR22109

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Male												
Organ Findings	Test article	IBMA					IBMA					
	Dose	0 mg/kg					120 mg/kg					
	Number of Animals	7					7					
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Spleen		7		<7>			7		<7>			
Thymus		7		<7>			7		<7>			
Bone marrow, femur		7		<7>			7		<7>			
Submandibular lymph node		7		<7>			7		<7>			
Mesenteric lymph node		7		<7>			7		<7>			
Peyer's patch		7		<7>			7		<7>			
Pituitary gland		7		<7>			7		<7>			
Thyroid				<7>					<7>			
Remnant, ultimobranchial body		5	2	0	0	0	6	1	0	0	0	
Parathyroid		7		<7>			7		<7>			

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 5

Study No. : SR22109

Histopathological findings		Stage : Day 29										Species : Rat		
Sex : Male		IBMA					IBMA							
Test article		0					120							
Dose		mg/kg					mg/kg							
Number of Animals		7					7							
Organ	Findings	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+		
Adrenal			<7>					<7>						
		7						7						
Eyeball			<7>					<7>						
Atrophy, retina, focal		5	1	1	0	0	6	0	1	0	0			
Harderian gland			<7>					<7>						
		7						7						
Skeletal muscle			<7>					<7>						
		7						7						
Femur			<7>					<7>						
		7						7						
Mammary gland			<7>					<7>						
		7						7						

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 6

Study No. : SR22109

Histopathological findings		Stage : Day 14 after parturition										Species : Rat
Sex : Female												
Test article		IBMA					IBMA					
Dose		0					120					
Number of Animals		mg/kg					mg/kg					
Organ Findings	Grade	12					7					
		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Lung		<12>					<7>					
Accumulation, macrophage, alveolar		11	1	0	0	0	7	0	0	0	0	
Hemorrhage, focal		11	1	0	0	0	7	0	0	0	0	
Bronchus		<12>					<7>					
		12					7					
Trachea		<12>					<7>					
		12					7					
Submandibular gland		<12>					<7>					
		12					7					
Esophagus		<12>					<7>					
		12					7					
Stomach		<12>					<7>					
Ulcer, glandular stomach		12	0	0	0	0	6	0	1	0	0	
Duodenum		<12>					<7>					
		12					7					
Jejunum		<12>					<7>					
		12					7					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 7

Study No. : SR22109

Histopathological findings		Stage : Day 14 after parturition										Species : Rat
Sex : Female												
Test article		IBMA					IBMA					
Dose		0					120					
Number of Animals		mg/kg					mg/kg					
Grade		12					7					
Organ Findings		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Ileum		<12>					<7>					
		12					7					
Cecum		<12>					<7>					
		12					7					
Colon		<12>					<7>					
		12					7					
Rectum		<12>					<7>					
		12					7					
Pancreas		<12>					<7>					
		12					7					
Liver		<12>					<7>					
		12					7					
Heart		<12>					<7>					
		12					7					
Kidney		<12>					<7>					
Infiltration, inflammatory cell, renal pelvic mucosa		11	1	0	0	0	7	0	0	0	0	
Urinary bladder		<12>					<7>					
		12					7					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 8

Study No. : SR22109

Histopathological findings		Stage : Day 14 after parturition										Species : Rat
Sex : Female												
Test article		IBMA					IBMA					
Dose		0					120					
Number of Animals		mg/kg					mg/kg					
Organ Findings	Grade	12					7					
		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Ovary		<12>					<7>					
		12					7					
Uterine horn		<12>					<7>					
		12					7					
Uterine cervix		<12>					<7>					
		12					7					
Vagina		<12>					<7>					
		12					7					
Cerebrum		<12>					<7>					
		12					7					
Cerebellum		<12>					<7>					
		12					7					
Pons		<12>					<7>					
		12					7					
Spinal cord		<12>					<7>					
		12					7					
Sciatic nerve		<12>					<7>					
		12					7					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 9

Study No. : SR22109

Histopathological findings		Stage : Day 14 after parturition										Species : Rat
Sex : Female												
Test article		IBMA					IBMA					
Dose		0					120					
		mg/kg					mg/kg					
Number of Animals		12					7					
Grade		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Organ Findings		<12>					<7>					
Spleen		12					7					
Thymus		<12>					<7>					
Remnant, epithelial cell		9	3	0	0	0	5	2	0	0	0	
Bone marrow, femur		<12>					<7>					
		12					7					
Submandibular lymph node		<12>					<7>					
		12					7					
Mesenteric lymph node		<12>					<7>					
		12					7					
Peyer's patch		<12>					<7>					
		12					7					
Pituitary gland		<12>					<7>					
		12					7					
Thyroid		<12>					<7>					
Remnant, ultimobranchial body		7	5	0	0	0	6	1	0	0	0	
Parathyroid		<12>					<7>					
		12					7					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 10

Study No. : SR22109

Histopathological findings		Stage : Day 14 after parturition										Species : Rat
Sex : Female												
Test article		IBMA					IBMA					
Dose		0					120					
Number of Animals		mg/kg					mg/kg					
Organ Findings	Grade	12					7					
		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Adrenal		<12>					<7>					
		12					7					
Eyeball		<12>					<7>					
		12					7					
Harderian gland		<12>					<7>					
		12					7					
Skeletal muscle		<12>					<7>					
		12					7					
Femur		<12>					<7>					
		12					7					
Mammary gland		<12>					<7>					
		12					7					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 11

Study No. : SR22109

Histopathological findings		Stage : Interim euthanasia					Species : Rat	
Sex : Female								
Test article		IBMA						
Dose		120 mg/kg						
Organ Findings	Number of Animals Grade	1						
		-	1+	2+	3+	4+		
Lung		1	<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>					

<> : Number of animals examined

- : Not remarkable

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

Table 16 - 12

Study No. : SR22109

Histopathological findings		Stage : Interim euthanasia					Species : Rat
Sex : Female							
Test article		IBMA					
Dose		120 mg/kg					
Number of Animals		1					
Organ Findings	Grade	-	1+	2+	3+	4+	
		<1>					
Cecum		1					
Colon		1					
Rectum		1					
Pancreas		1					
Liver		1					
Heart		1					
Kidney		1					
Urinary bladder		1					
Ovary		1					

<> : Number of animals examined

- : Not remarkable

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

Table 16 - 13

Study No. : SR22109

Histopathological findings		Stage : Interim euthanasia					Species : Rat	
Test article		IBMA						
Dose		120 mg/kg						
Organ Findings	Number of Animals	1						
	Grade	-	1+	2+	3+	4+		
Uterine horn		<1>						
		1						
Uterine cervix		<1>						
		1						
Vagina		<1>						
		1						
Cerebrum		<1>						
		1						
Cerebellum		<1>						
		1						
Pons		<1>						
		1						
Spinal cord		<1>						
		1						
Sciatic nerve		<1>						
		1						
Spleen		<1>						
		1						

<> : Number of animals examined

- : Not remarkable

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

Table 16 - 14

Study No. : SR22109

Histopathological findings		Stage : Interim euthanasia					Species : Rat	
Sex : Female								
Test article		IBMA						
Dose		120 mg/kg						
Number of Animals		1						
Organ Findings	Grade	-	1+	2+	3+	4+		
		<1>						
Thymus Atrophy		0	0	0	1	0		
Bone marrow, femur		1	<1>					
Submandibular lymph node		1	<1>					
Mesenteric lymph node		1	<1>					
Peyer's patch		1	<1>					
Pituitary gland		1	<1>					
Thyroid		1	<1>					
Parathyroid		1	<1>					
Adrenal		1	<1>					

<> : Number of animals examined

- : Not remarkable

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

- 170 -

Table 16 - 16

Study No. : SR22109

Histopathological findings		Stage : Non-pregnancy					Species : Rat	
Sex : Female								
Test article		IBMA						
Dose		120 mg/kg						
Number of Animals		4						
Organ Findings	Grade	-	1+	2+	3+	4+		
Lung		<4>						
Accumulation, macrophage, alveolar		3	1	0	0	0		
Bronchus		4	<4>					
Trachea		4	<4>					
Submandibular gland		4	<4>					
Esophagus		4	<4>					
Stomach		4	<4>					
Duodenum		4	<4>					
Jejunum		4	<4>					
Ileum		4	<4>					

<> : Number of animals examined

- : Not remarkable

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

Table 16 - 17

Study No. : SR22109

Histopathological findings		Stage : Non-pregnancy					Species : Rat
Sex : Female							
Test article		IBMA					
Dose		120 mg/kg					
Number of Animals		4					
Organ Findings	Grade	-	1+	2+	3+	4+	
		<4>					
Cecum		4					
Colon		4					
Rectum		4					
Pancreas		4					
Liver		4					
Heart		4					
Kidney		4					
Urinary bladder		4					
Ovary		4					

<> : Number of animals examined

- : Not remarkable

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

Table 16 - 18

Study No. : SR22109

Histopathological findings		Stage : Non-pregnancy					Species : Rat
Sex : Female							
Test article		IBMA					
Dose		120 mg/kg					
Number of Animals		4					
Organ Findings	Grade	-	1+	2+	3+	4+	
		<4>					
Uterine horn		4					
Uterine cervix		4					
Vagina		4					
Cerebrum		4					
Cerebellum		4					
Pons		4					
Spinal cord		4					
Sciatic nerve		4					
Spleen		4					

<> : Number of animals examined

- : Not remarkable

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

Table 16 - 19

Study No. : SR22109

Histopathological findings		Stage : Non-pregnancy					Species : Rat
Sex : Female							
Test article		IBMA					
Dose		120 mg/kg					
Number of Animals		4					
Organ Findings	Grade	-	1+	2+	3+	4+	
Thymus		<4>					
		4					
Bone marrow, femur		<4>					
		4					
Submandibular lymph node		<4>					
		4					
Mesenteric lymph node		<4>					
		4					
Peyer's patch		<4>					
		4					
Pituitary gland		<4>					
		4					
Thyroid		<4>					
		4					
Parathyroid		<4>					
		4					
Adrenal		<4>					
		4					

<> : Number of animals examined

- : Not remarkable

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

- 175 -

Table 16 - 21

Study No. : SR22109

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Female (satellite)												
Test article		IBMA					IBMA					
Dose		0					120					
mg/kg		5					5					
Organ Findings	Number of Animals Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
		<5>					<5>					
Lung		5					5					
Bronchus		5					5					
Trachea		5					5					
Submandibular gland		5					5					
Esophagus		5					5					
Stomach		5					5					
Duodenum		5					5					
Jejunum		5					5					
Ileum		5					5					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 22

Study No. : SR22109

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Female (satellite)		IBMA					IBMA					
Organ Findings	Test article											
	Dose	0					120					
	Number of Animals	mg/kg					mg/kg					
		Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Cecum		5	<5>				5	<5>				
Colon		5	<5>				5	<5>				
Rectum		5	<5>				5	<5>				
Pancreas		5	<5>				5	<5>				
Liver		5	<5>				5	<5>				
Heart		5	<5>				5	<5>				
Kidney		5	<5>				5	<5>				
Urinary bladder		5	<5>				5	<5>				
Ovary		5	<5>				5	<5>				

<> : Number of animals examined
 - : Not remarkable
 1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe
 Not significantly different from IBMA 0 mg/kg

Table 16 - 23

Study No. : SR22109

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Female (satellite)												
Test article		IBMA					IBMA					
Dose		0					120					
mg/kg		5					5					
Organ Findings	Number of Animals Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Uterine horn		5					5					
Uterine cervix		5					5					
Vagina		5					5					
Cerebrum		5					5					
Cerebellum		5					5					
Pons		5					5					
Spinal cord		5					5					
Sciatic nerve		5					5					
Spleen		5					5					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 24

Study No. : SR22109

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Female (satellite)												
Test article		IBMA					IBMA					
Dose		0					120					
mg/kg		5					5					
Organ Findings	Number of Animals Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Thymus		5					5					
Bone marrow, femur		5					5					
Submandibular lymph node		5					5					
Mesenteric lymph node		5					5					
Peyer's patch		5					5					
Pituitary gland												
Remnant, craniopharyngeal duct		4	1	0	0	0	5	0	0	0	0	
Thyroid												
Remnant, ultimobranchial body		3	2	0	0	0	4	1	0	0	0	
Parathyroid		5					5					
Adrenal		5					5					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 25

Study No. : SR22109

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Female (satellite)		IBMA					IBMA					
Test article		Dose					Dose					
		0 mg/kg					120 mg/kg					
		5					5					
Organ	Number of Animals	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Findings	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Eyeball		<5>					<5>					
Dysplasia, retina		5	0	0	0	0	4	1	0	0	0	
Harderian gland		<5>					<5>					
		5					5					
Skeletal muscle		<5>					<5>					
		5					5					
Femur		<5>					<5>					
		5					5					
Mammary gland		<5>					<5>					
		5					5					

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from IBMA 0 mg/kg

Table 16 - 26

Study No. : SR22109

Histopathological findings		Stage : Recovery day 15					Species : Rat
Sex : Male							
Organ Findings	Test article	IBMA					
	Dose	120 mg/kg					
	Number of Animals	2					
	Grade	-	1+	2+	3+	4+	
Lung		<2>					
		2					
Bronchus		<2>					
		2					
Trachea		<2>					
		2					
Submandibular gland		<2>					
		2					
Esophagus		<2>					
		2					
Stomach		<2>					
		2					
Duodenum		<2>					
		2					
Jejunum		<2>					
		2					
Ileum		<2>					
		2					

<> : Number of animals examined

- : Not remarkable

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

Table 16 - 27

Study No. : SR22109

Histopathological findings		Stage : Recovery day 15						Species : Rat	
Sex : Male									
Organ Findings	Test article	IBMA							
	Dose	120 mg/kg							
	Number of Animals	2							
	Grade	-	1+	2+	3+	4+			
Cecum		<2>							
		2							
Colon		<2>							
		2							
Rectum		<2>							
		2							
Pancreas		<2>							
		2							
Liver		<2>							
		2							
Heart		<2>							
Infiltration, inflammatory cell, focal		1	1	0	0	0			
Kidney		<2>							
		2							
Urinary bladder		<2>							
		2							
Testis		<2>							
		2							

<> : Number of animals examined

- : Not remarkable

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

Table 16 - 28

Study No. : SR22109

Histopathological findings		Stage : Recovery day 15					Species : Rat	
Sex : Male								
Test article		IBMA						
Dose		120						
mg/kg		2						
Organ	Number of Animals							
Findings	Grade	-	1+	2+	3+	4+		
Epididymis		<2>						
		2						
Prostate		<2>						
Inflammation, interstitium		1	1	0	0	0		
Seminal vesicle		<2>						
		2						
Coagulating gland		<2>						
		2						
Cerebrum		<2>						
		2						
Cerebellum		<2>						
		2						
Pons		<2>						
		2						
Spinal cord		<2>						
		2						
Sciatic nerve		<2>						
		2						

<> : Number of animals examined

- : Not remarkable

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

Table 16 - 29

Study No. : SR22109

Histopathological findings		Stage : Recovery day 15					Species : Rat
Sex : Male							
Organ Findings	Test article	IBMA					
	Dose	120 mg/kg					
	Number of Animals	2					
	Grade	-	1+	2+	3+	4+	
Spleen		<2>					
		2					
Thymus		<2>					
		2					
Bone marrow, femur		<2>					
		2					
Submandibular lymph node		<2>					
		2					
Mesenteric lymph node		<2>					
		2					
Peyer's patch		<2>					
		2					
Pituitary gland		<2>					
		2					
Thyroid		<2>					
		2					
Parathyroid		<2>					
		2					

<> : Number of animals examined

- : Not remarkable

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

Table 16 - 30

Study No. : SR22109

Histopathological findings		Stage : Recovery day 15					Species : Rat
Sex : Male							
Test article		IBMA					
Dose		120					
mg/kg		2					
Number of Animals							
Grade		-	1+	2+	3+	4+	
Organ Findings		<2>					
Adrenal		2					
Eyeball		<2>					
Atrophy, retina, diffuse		1	0	1	0	0	
Harderian gland		<2>					
		2					
Skeletal muscle		<2>					
		2					
Femur		<2>					
		2					
Mammary gland		<2>					
		2					

<> : Number of animals examined

- : Not remarkable

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

Table 17

Study No. : SR22109

Estrous cycles Generation : F0		Species : Rat		
Test article Dose		/Before mating		
		Mean length of estrous cycle (Days)	Number of estrus	Number of animals with acyclic or irregular cycle
IBMA 0 mg/kg	n	12	12	12
	Mean	4.00	3.5	(0)
	S.D.	0.00	0.5	
IBMA 12 mg/kg	n	12	12	12
	Mean	4.00	3.6	(0)
	S.D.	0.00	0.5	
IBMA 40 mg/kg	n	12	12	12
	Mean	4.13	3.3	(0)
	S.D.	0.31	0.5	
IBMA 120 mg/kg	n	12	12	12
	Mean	4.00	3.5	(0)
	S.D.	0.00	0.5	

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

Not significantly different from IBMA 0 mg/kg

Table 18 - 1

Study No. : SR22109

Reproductive performance		Generation : F0		Sex : Male		Species : Rat			
Test article Dose		Number of pairs	Day of conceiving	1st mating		2nd mating		Total	
				Copulation index (%)	Fertility index (%)	Copulation index (%)	Fertility index (%)	Copulation index (%)	Fertility index (%)
IBMA 0 mg/kg	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)
	Mean		2.9	100.0	100.0			100.0	100.0
	S.D.		3.0						
IBMA 12 mg/kg	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)
	Mean		3.2	100.0	100.0			100.0	100.0
	S.D.		3.3						
IBMA 40 mg/kg	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)
	Mean		2.3	100.0	100.0			100.0	100.0
	S.D.		1.2						
IBMA 120 mg/kg	n	12	12	(12/12)	(8/12)			(12/12)	(8/12)
	Mean		2.8	100.0	66.7			100.0	66.7
	S.D.		1.7						
Not significantly different from IBMA 0 mg/kg									

Table 18 - 2

Study No. : SR22109

Reproductive performance		Generation : F0				Sex : Female				Species : Rat	
Test article Dose		Number of pairs	Day of conceiving	1st mating		2nd mating		Total			
				Copulation index (%)	Fertility index (%)	Copulation index (%)	Fertility index (%)	Copulation index (%)	Fertility index (%)		
IBMA 0 mg/kg	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)		
	Mean		2.9	100.0	100.0			100.0	100.0		
	S.D.		3.0								
IBMA 12 mg/kg	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)		
	Mean		3.2	100.0	100.0			100.0	100.0		
	S.D.		3.3								
IBMA 40 mg/kg	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)		
	Mean		2.3	100.0	100.0			100.0	100.0		
	S.D.		1.2								
IBMA 120 mg/kg	n	12	12	(12/12)	(8/12)			(12/12)	(8/12)		
	Mean		2.8	100.0	66.7			100.0	66.7		
	S.D.		1.7								
Not significantly different from IBMA 0 mg/kg											

Table 19 - 1

Study No. : SR22109

Test article Dose		Delivery data Generation : F0					Species : Rat					
		Gestation length (day)	Gestation index (%)	Number of implan- tation	Delivery index (%)	Number of offspring	Number of live newborns			Sex ratio (%)		Number of dead newborns
							M	F	Total	live- borns	delivered pups	
IBMA 0 mg/kg	n	12	12/12	12	12	12	12	12	12	104/185	104/186	12
	Mean	22.25	100.0	16.9	92.32	15.5	8.7	6.8	15.4	56.2	55.9	0.1
	S.D.	0.45		1.9	12.50	2.2	1.7	2.7	2.2			0.3
IBMA 12 mg/kg	n	12	12/12	12	12	12	12	12	12	86/172	86/172	12
	Mean	22.08	100.0	15.3	93.18	14.3	7.2	7.2	14.3	50.0	50.0	0.0
	S.D.	0.29		1.7	8.42	2.3	2.6	3.5	2.3			0.0
IBMA 40 mg/kg	n	12	12/12	12	12	12	12	12	12	95/183	98/189	12
	Mean	22.42	100.0	16.7	94.43	15.8	7.9	7.3	15.3	51.9	51.9	0.5
	S.D.	0.51		2.0	4.80	2.1	1.4	1.6	1.9			1.2
IBMA 120 mg/kg	n	8	8/8	8	8	8	8	8	8	55/103	60/113	8
	Mean	22.63	100.0	15.3	93.00	14.1	6.9	6.0	12.9	53.4	53.1	1.3
	S.D.	0.52		4.7	7.45	4.4	2.2	2.8	4.0			1.8

M : Male, F : Female

Not significantly different from IBMA 0 mg/kg

Table 19 - 2

Study No. : SR22109

Delivery data (external examination of offspring)					Postnatal Day : 0
Generation : F1					Species : Rat
Test article	IBMA	IBMA	IBMA	IBMA	
Dose	0	12	40	120	
Dose unit	mg/kg	mg/kg	mg/kg	mg/kg	
Number of dams	12	12	12	8	
Number of offspring	185	172	183	103	
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 IBMA 0 mg/kg					

Table 20

Study No. : SR22109

Clinical signs of offspring Generation : F1		Species : Rat													
Test article	Postnatal Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13
Dose	Clinical signs														
IBMA 0 mg/kg	Number of dams examined	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Number of offspring	185	185	185	185	182	96	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	0
IBMA 12 mg/kg	Number of dams examined	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Number of offspring	172	172	172	172	171	96	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	0
IBMA 40 mg/kg	Number of dams examined	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Number of offspring	183	170	170	170	164	95	95	93	93	92	92	92	92	92
	Number of dams with anomalous offspring	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IBMA 120 mg/kg	Number of dams examined	8	8	7	6	5	5	5	5	5	5	5	5	5	5
	Number of offspring	103	71	62	55	44	35	35	34	33	33	33	33	33	33
	Number of dams with anomalous offspring	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 21

Study No. : SR22109

		Litter size and viability index of offspring						Species : Rat	
		Generation : F1							
		/Postnatal Day							
Test article	Dose	0	0	4	4	4	13	13	
			Viability index (%)	Pre-culled	Viability index (%)	Post-culled		Viability index (%)	
IBMA 0 mg/kg	Total	185		182		96	96		
	n	12	12	12	12	12	12	12	
	Mean		99.48		98.58			100.00	
	S.D.		1.79		2.59			0.00	
IBMA 12 mg/kg	Total	172		171		96	96		
	n	12	12	12	12	12	12	12	
	Mean		100.00		99.48			100.00	
	S.D.		0.00		1.79			0.00	
IBMA 40 mg/kg	Total	183		164		96	92		
	n	12	12	12	12	12	12	12	
	Mean		97.19		89.77			95.83	
	S.D.		6.50		16.33			11.10	
IBMA 120 mg/kg	Total	103		44		37	33		
	n	8	8	8	8	5	5	5	
	Mean		92.21		50.39			90.00	
	S.D.		11.05		45.65			16.30	
					ST *				

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

ST : Steel test (two-side)

Table 22

Study No. : SR22109

Litter data on body weight of offspring							Unit : g	Species : Rat
Generation : F1								
Test article			/Postnatal Day					
Dose			0	4	7	13		
IBMA 0 mg/kg	Male	n	12	12	12	12		
		Mean	6.919	10.513	18.603	36.894		
		S.D.	0.493	1.226	1.838	2.560		
	Female	n	12	12	12	12		
		Mean	6.556	9.985	17.678	35.526		
		S.D.	0.448	1.244	1.784	2.011		
IBMA 12 mg/kg	Male	n	12	12	12	12		
		Mean	7.022	10.603	18.255	35.508		
		S.D.	0.590	1.554	2.590	3.731		
	Female	n	12	12	12	12		
		Mean	6.600	9.878	17.388	34.201		
		S.D.	0.551	1.389	2.531	4.241		
IBMA 40 mg/kg	Male	n	12	12	12	12		
		Mean	6.569	9.684	16.666	33.018		
		S.D.	0.480	1.794	3.594	6.615		
	Female	n	12	12	12	12		
		Mean	6.192	9.173	15.757	31.851		
		S.D.	0.380	1.490	3.261	5.456		
IBMA 120 mg/kg	Male					ST *		
		n	8	5	5	5		
		Mean	5.790	7.510	10.970	19.712		
		S.D.	0.611	2.133	4.124	7.670		
	Female					ST **		
		n	8	5	5	5		
		Mean	5.394	7.144	10.742	19.446		
		S.D.	0.620	1.932	3.694	6.933		
	Male					DT **		
		n	8	5	5	5		
		Mean	5.790	7.510	10.970	19.712		
		S.D.	0.611	2.133	4.124	7.670		

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side), ST : Steel test (two-side)

Table 23

Study No. : SR22109

Litter data on anogenital distance of offspring Generation : F1					Unit : mm	Species : Rat
Dose Test article	Sex	/Postnatal Day 4				
		AGD	AGD/ $\sqrt[3]{\text{BW}}$			
IBMA 0 mg/kg	Male	n	12	12		
		Mean	5.7548	2.6328		
		S.D.	0.2749	0.0686		
	Female	n	12	12		
		Mean	2.7897	1.2988		
		S.D.	0.1750	0.0426		
IBMA 12 mg/kg	Male	n	12	12		
		Mean	5.5627	2.5373		
		S.D.	0.4554	0.1037		
	Female	n	12	12		
		Mean	2.7441	1.2821		
		S.D.	0.1967	0.0521		
IBMA 40 mg/kg	Male	n	12	12		
		Mean	5.4884	2.5847		
		S.D.	0.5393	0.1275		
	Female	n	12	12		
		Mean	2.6594	1.2748		
		S.D.	0.2206	0.0594		
IBMA 120 mg/kg	Male	n	5	5		
		Mean	4.9842	2.5616		
		S.D.	0.6247	0.1464		
	Female	DT **				
		n	5	5		
		Mean	2.3062	1.2088		
		S.D.	0.2716	0.1109		
	DT ** DT *					

AGD : Anogenital Distance

Significantly different from IBMA 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 24

Study No. : SR22109

Litter data on nipple retention of male offspring				Unit : No.	Species : Rat
Generation : F1					
Test article	Postnatal day 13				
Dose			Number of nipples		
IBMA 0 mg/kg	Male	n	12		
		Mean	0.00		
		S.D.	0.00		
IBMA 12 mg/kg	Male	n	12		
		Mean	0.00		
		S.D.	0.00		
IBMA 40 mg/kg	Male	n	12		
		Mean	0.00		
		S.D.	0.00		
IBMA 120 mg/kg	Male	n	5		
		Mean	0.00		
		S.D.	0.00		
Not significantly different from IBMA 0 mg/kg					

Table 25

Study No. : SR22109

Serum T4 concentration of offspring		Stage : Postnatal day 13		Species : Rat
Generation : F1				
T4				
Test article	ng/mL			
Dose				
IBMA 0 mg/kg	n	12		
	Mean	50.45		
	S.D.	5.54		
IBMA 12 mg/kg	n	12		
	Mean	52.22		
	S.D.	7.91		
IBMA 40 mg/kg	n	12		
	Mean	48.78		
	S.D.	8.36		
IBMA 120 mg/kg	n	5		
	Mean	43.18		
	S.D.	10.43		
Not significantly different from IBMA 0 mg/kg				

Table 26

Study No. : SR22109

Necropsy findings of offspring Generation : F1					Species : Rat
Test article	IBMA	IBMA	IBMA	IBMA	
Dose	0	12	40	120	
Dose unit	mg/kg	mg/kg	mg/kg	mg/kg	
Number of dams	12	12	12	8	
Number of live offspring examined on postnatal Day 13	96	96	92	33	
Finding absent	96	96	92	33	
Number of dead offspring examined on postnatal Day 0-13	3	0	16	47	
Finding absent	3	0	16	47	

Clinical signs Sex : Male		Period : Administration Day 1-14 Dose : IBMA 0 mg/kg																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	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.	Clinical signs	Day	10		11		12		13		14										
		Time	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		-	-	-	-	-	-	-	-	-	-									

1 : Before dosing, 2 : After dosing

Clinical signs		Period : Administration Day 15-29																Species : Rat			
Sex : Male		Dose : IBMA 0 mg/kg																			
Animal No.	Clinical signs	Day	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	
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.	Clinical signs	Day	24		25		26		27		28		29								
		Time	1	2	1	2	1	2	1	2	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		-	-	-	-	-	-	-	-	-	-	-								

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

Clinical signs Sex : Male		Period : Administration Day 1-14 Dose : IBMA 12 mg/kg																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	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.	Clinical signs	Day	10		11		12		13		14										
		Time	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		-	-	-	-	-	-	-	-	-	-									

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Male		Period : Administration Day 15-29 Dose : IBMA 12 mg/kg Species : Rat															
Animal No.	Clinical signs	Day	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
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.	Clinical signs	Day	24	25	26	27	28	29									
		Time	1	2	1	2	1	2	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		-	-	-	-	-	-	-	-	-						

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

Clinical signs		Period : Administration Day 1-14																Species : Rat				
Sex : Male		Dose : IBMA 40 mg/kg																				
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	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	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Animal No.	Clinical signs	Day	10		11		12		13		14											
		Time	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	No abnormality		-	-	-	-	-	-	-	-	-	-										

1 : Before dosing, 2 : After dosing

Clinical signs		Period : Administration Day 15-29																		
Sex : Male		Dose : IBMA 40 mg/kg																		
		Species : Rat																		
Animal No.	Clinical signs	Day	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
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	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	24		25		26		27		28		29							
		Time	1	2	1	2	1	2	1	2	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	No abnormality		-	-	-	-	-	-	-	-	-	-	-							

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

Clinical signs		Period : Administration Day 1-14														Species : Rat				
Sex : Male		Dose : IBMA 120 mg/kg																		
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	1	2	1	2	1	2
10401	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10402	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10403	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10404	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10405	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10407	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10408	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10409	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10410	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10411	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	10		11		12		13		14									
		Time	1	2	1	2	1	2	1	2	1	2								
10401	No abnormality		-	-	-	-	-	-	-	-	-	-								
10402	No abnormality		-	-	-	-	-	-	-	-	-	-								
10403	No abnormality		-	-	-	-	-	-	-	-	-	-								
10404	No abnormality		-	-	-	-	-	-	-	-	-	-								
10405	No abnormality		-	-	-	-	-	-	-	-	-	-								
10406	No abnormality		-	-	-	-	-	-	-	-	-	-								
10407	No abnormality		-	-	-	-	-	-	-	-	-	-								
10408	No abnormality		-	-	-	-	-	-	-	-	-	-								
10409	No abnormality		-	-	-	-	-	-	-	-	-	-								
10410	No abnormality		-	-	-	-	-	-	-	-	-	-								
10411	No abnormality		-	-	-	-	-	-	-	-	-	-								
10412	No abnormality		-	-	-	-	-	-	-	-	-	-								

1 : Before dosing, 2 : After dosing

Clinical signs		Period : Administration Day 15-29														Species : Rat				
Sex : Male		Dose : IBMA 120 mg/kg																		
Animal No.	Clinical signs	Day	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
10401	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10402	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10403	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10404	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10405	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10407	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10408	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10409	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10410	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10411	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	24		25		26		27		28		29							
		Time	1	2	1	2	1	2	1	2	1	2	3							
10401	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10402	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10403	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10404	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10405	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10407	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10408	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10409	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10410	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10411	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-							

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

Clinical signs Sex : Female		Period : Administration Day 1-25 Dose : IBMA 0 mg/kg																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	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		
			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	19		20		21		22		23		24		25						
			Time	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																					
1 : Before dosing, 2 : After dosing																						

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Gestation Day 0-22 Dose : IBMA 0 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	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	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
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	18		19		20		21		22									
		Time	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		-	-	-	-	-	-	-	-	-									

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Lactation Day 0-14 Dose : IBMA 0 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	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	9		10		11		12		13		14								
		Time	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		-	-	-	-	-	-	-	-	-	-	-								
50159	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50160	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50161	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50162	No abnormality		-	-	-	-	-	-	-	-	-	-	-								

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

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Gestation Day 0-22 Dose : IBMA 12 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	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	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	
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	18		19		20		21		22										
		Time	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		-	-	-	-	-	-	-	-	-										

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Lactation Day 0-14 Dose : IBMA 12 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	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	9		10		11		12		13		14								
		Time	1	2	1	2	1	2	1	2	1	2	3								
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		-	-	-	-	-	-	-	-	-	-	-								

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

Clinical signs Sex : Female		Period : Administration Day 1-17 Dose : IBMA 40 mg/kg																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	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	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			
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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Gestation Day 0-22 Dose : IBMA 40 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	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										
		Time	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		-	-	-	-	-	-	-	-	-										

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Lactation Day 0-14 Dose : IBMA 40 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	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									
		Time	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		-	-	-	-	-	-	-	-	-	-	-									
50359	No abnormality		-	-	-	-	-	-	-	-	-	-	-									
50360	No abnormality		-	-	-	-	-	-	-	-	-	-	-									
50361	No abnormality		-	-	-	-	-	-	-	-	-	-	-									
50362	No abnormality		-	-	-	-	-	-	-	-	-	-	-									

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

Clinical signs Sex : Female		Period : Administration Day 1-20 Dose : IBMA 120 mg/kg																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	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		
		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																
		Time	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																				

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Gestation Day 0-26 Dose : IBMA 120 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	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	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
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	2	1	2	3	
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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

Clinical signs Sex : Female		Period : Lactation Day 0-14 Dose : IBMA 120 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	2	
50451	Abnormal gait		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50453	Abnormal gait		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50454	Abnormal gait		-	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	
50455	Abnormal gait		-	-	+	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Tremor		-	-	+	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Bradypnea		-	-	+	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Soil of perigenital fur		-	-	+	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Pale skin		-	-	+	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
50459	Abnormal gait		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50460	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50461	Abnormal gait		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50462	Abnormal gait		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	9		10		11		12		13		14								
		Time	1	2	1	2	1	2	1	2	1	2	3								
50451	Abnormal gait		-	+	+	+	+	+	+	+	+	+	+								
50453	Abnormal gait		-	-	-	-	-	-	-	-	+	+	+								
50454	Abnormal gait		+	+	+	+	+	+	+	+	+	+	+								
50455	Abnormal gait		...	...	...	...	...	...	...	...	...	...	...								
	Tremor		...	...	...	...	...	...	...	...	...	...	...								
	Bradypnea		...	...	...	...	...	...	...	...	...	...	...								
	Soil of perigenital fur		...	...	...	...	...	...	...	...	...	...	...								
	Pale skin		...	...	...	...	...	...	...	...	...	...	...								
50459	Abnormal gait		-	-	-	-	-	+	+	+	+	+	+								
50460	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50461	Abnormal gait		-	-	-	-	-	-	-	-	+	+	+								
50462	Abnormal gait		-	-	-	+	+	+	+	+	+	+	+								

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

Animal No. 50455 : Euthanized due to a moribund condition on lactation day 1

... : Blank

Clinical signs Sex : Female (satellite)		Period : Administration Day 1-14 Dose : IBMA 0 mg/kg														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	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.	Clinical signs	Day	10		11		12		13		14									
		Time	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		-	-	-	-	-	-	-	-	-	-								

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female (satellite)		Period : Administration Day 15-29 Dose : IBMA 0 mg/kg																Species : Rat			
Animal No.	Clinical signs	Day	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	
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.	Clinical signs	Day	24		25		26		27		28		29								
		Time	1	2	1	2	1	2	1	2	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		-	-	-	-	-	-	-	-	-	-	-								

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

Clinical signs Sex : Female (satellite)		Period : Administration Day 1-14 Dose : IBMA 120 mg/kg														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	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.	Clinical signs	Day	10		11		12		13		14	
		Time	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		-	-	-	-	-	-	-	-	-	-

1 : Before dosing, 2 : After dosing

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female (satellite)		Period : Administration Day 15-29 Dose : IBMA 120 mg/kg																Species : Rat				
Animal No.	Clinical signs	Day	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		
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.	Clinical signs	Day	24		25		26		27		28		29									
		Time	1	2	1	2	1	2	1	2	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		-	-	-	-	-	-	-	-	-	-	-									

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

Clinical signs		Period : Recovery Day 1-15										Species : Rat								
Sex : Male		Dose : IBMA 0 mg/kg																		
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	1	2	1	2	1	2
10103	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10106	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10109	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10110	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10111	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Day	10		11		12		13		14		15							
Animal No.	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	3							
10103	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10106	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10109	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10110	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10111	No abnormality		-	-	-	-	-	-	-	-	-	-	-							

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

Clinical signs Sex : Male		Period : Recovery Day 1-15 Dose : IBMA 120 mg/kg										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	1	2	1	2	1	2		
10402	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10405	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10408	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10410	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Animal No.	Clinical signs	Day	10		11		12		13		14		15									
		Time	1	2	1	2	1	2	1	2	1	2	3									
10402	No abnormality		-	-	-	-	-	-	-	-	-	-	-									
10405	No abnormality		-	-	-	-	-	-	-	-	-	-	-									
10408	No abnormality		-	-	-	-	-	-	-	-	-	-	-									
10410	No abnormality		-	-	-	-	-	-	-	-	-	-	-									
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-									

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

Clinical signs Sex : Female (satellite)		Period : Recovery Day 1-15 Dose : IBMA 0 mg/kg										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	1	2	1	2	1	2		
50556	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50557	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50558	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50559	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50560	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Animal No.	Clinical signs	Day	10		11		12		13		14		15									
		Time	1	2	1	2	1	2	1	2	1	2	3									
50556	No abnormality		-	-	-	-	-	-	-	-	-	-	-									
50557	No abnormality		-	-	-	-	-	-	-	-	-	-	-									
50558	No abnormality		-	-	-	-	-	-	-	-	-	-	-									
50559	No abnormality		-	-	-	-	-	-	-	-	-	-	-									
50560	No abnormality		-	-	-	-	-	-	-	-	-	-	-									

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

Clinical signs Sex : Female (satellite)		Period : Recovery Day 1-15 Dose : IBMA 120 mg/kg												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	1	2	1	2	1	2
50656	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50657	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50658	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50659	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50660	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	10		11		12		13		14		15							
		Time	1	2	1	2	1	2	1	2	1	2	3							
50656	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50657	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50658	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50659	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50660	No abnormality		-	-	-	-	-	-	-	-	-	-	-							

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

Detailed clinical observation (in the cage)			Stage : Pre		Species : Rat	
Sex : Male			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Pre		Species : Rat	
Sex : Male			Dose : IBMA 12 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Pre		Species : Rat	
Sex : Male			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Pre		Species : Rat	
Sex : Male			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 12 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 12 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 12 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 12 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Pre		Species : Rat	
Sex : Female			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Pre		Species : Rat	
Sex : Female			Dose : IBMA 12 mg/kg			
Animal No.	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;Cataplectic.

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 : Pre		Species : Rat	
Sex : Female			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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)						Species : Rat
	Sex : Female	Stage : Pre	Dose : IBMA 120 mg/kg				
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
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;Cataplectic.

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 : Female			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Female			Dose : IBMA 12 mg/kg			
Animal No.	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;Cataplectic.

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 : Female			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Female			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 12 mg/kg			
Animal No.	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;Cataplectic.

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			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 12 mg/kg			
Animal No.	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;Cataplectic.

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			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Female			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Female			Dose : IBMA 12 mg/kg			
Animal No.	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;Cataplectic.

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 : Female			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Female			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 35		Species : Rat	
Sex : Female			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 35		Species : Rat	
Sex : Female			Dose : IBMA 12 mg/kg			
Animal No.	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;Cataplectic.

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 35		Species : Rat	
Sex : Female			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 35		Species : Rat	
Sex : Female			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 42		Species : Rat	
Sex : Female			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 42		Species : Rat	
Sex : Female			Dose : IBMA 12 mg/kg			
Animal No.	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;Cataplectic.

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 42		Species : Rat	
Sex : Female			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 42		Species : Rat	
Sex : Female			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50451	1	1	1	0	0	1
50453	1	1	1	0	0	1
50454	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	10	10	10	10	10	10

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

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			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 12 mg/kg			
Animal No.	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;Cataplectic.

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			Dose : IBMA 40 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50451	1	1	1	0	0	1
50453	1	1	1	0	0	1
50454	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	7	7	7	7	7	7

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

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 (satellite)		Dose : IBMA 0 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Pre		Species : Rat	
Sex : Female (satellite)			Dose : IBMA 120 mg/kg			
Animal No.	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;Cataplectic.

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 (satellite)		Dose : IBMA 0 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Female (satellite)			Dose : IBMA 120 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
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;Cataplectic.

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 (satellite)			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 (satellite)			Dose : IBMA 120 mg/kg			
Animal No.	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;Cataplectic.

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 (satellite)			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 (satellite)			Dose : IBMA 120 mg/kg			
Animal No.	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;Cataplectic.

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 : Female (satellite)			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : Female (satellite)			Dose : IBMA 120 mg/kg			
Animal No.	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;Cataplectic.

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 : Male			Dose : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10103	1	1	1	0	0	1
10106	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
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;Cataplectic.

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 : Male			Dose : IBMA 120 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10402	1	1	1	0	0	1
10405	1	1	1	0	0	1
10408	1	1	1	0	0	1
10410	1	1	1	0	0	1
10412	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 : Male			Dose : IBMA 0 mg/kg				
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
10103	1	1	1	0	0	1	
10106	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	
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			
Sex : Male			Dose : IBMA 120 mg/kg			
	Species : Rat					
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
10402	1	1	1	0	0	1
10405	1	1	1	0	0	1
10408	1	1	1	0	0	1
10410	1	1	1	0	0	1
10412	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 : IBMA 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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;Cataplectic.

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 : IBMA 120 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.

Detailed clinical observation (in the cage)			Stage : Recovery Day 14			Species : Rat	
Sex : Female (satellite)			Dose : IBMA 0 mg/kg				
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
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			
Sex : Female (satellite)			Dose : IBMA 120 mg/kg			
			Species : Rat			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
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 (on the hand)		Stage : Pre		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10101	1	1	2	1	1	1	0	1
10102	1	1	2	1	1	1	0	1
10103	1	1	2	1	1	1	0	1
10104	1	1	2	1	1	1	0	1
10105	1	1	2	1	1	1	0	1
10106	1	1	2	1	1	1	0	1
10107	1	1	2	1	1	1	0	1
10108	1	1	2	1	1	1	0	1
10109	1	1	2	1	1	1	0	1
10110	1	1	2	1	1	1	0	1
10111	1	1	2	1	1	1	0	1
10112	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10101	1	1	1	0
10102	1	1	1	0
10103	1	1	1	0
10104	1	1	1	0
10105	1	1	1	0
10106	1	1	1	0
10107	1	1	1	0
10108	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
10112	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Pre		Species : Rat					
Sex : Male		Dose : IBMA 12 mg/kg							
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10201	1	1	2	1	1	1	0	1	
10202	1	1	2	1	1	1	0	1	
10203	1	1	2	1	1	1	0	1	
10204	1	1	2	1	1	1	0	1	
10205	1	1	2	1	1	1	0	1	
10206	1	1	2	1	1	1	0	1	
10207	1	1	2	1	1	1	0	1	
10208	1	1	2	1	1	1	0	1	
10209	1	1	2	1	1	1	0	1	
10210	1	1	2	1	1	1	0	1	
10211	1	1	2	1	1	1	0	1	
10212	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10201	1	1	1	0
10202	1	1	1	0
10203	1	1	1	0
10204	1	1	1	0
10205	1	1	1	0
10206	1	1	1	0
10207	1	1	1	0
10208	1	1	1	0
10209	1	1	1	0
10210	1	1	1	0
10211	1	1	1	0
10212	1	1	1	0
n	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.

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 : Pre		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10301	1	1	2	1	1	1	0	1
10302	1	1	2	1	1	1	0	1
10303	1	1	2	1	1	1	0	1
10304	1	1	2	1	1	1	0	1
10305	1	1	2	1	1	1	0	1
10306	1	1	2	1	1	1	0	1
10307	1	1	2	1	1	1	0	1
10308	1	1	2	1	1	1	0	1
10309	1	1	2	1	1	1	0	1
10310	1	1	2	1	1	1	0	1
10311	1	1	2	1	1	1	0	1
10312	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10301	1	1	1	0
10302	1	1	1	0
10303	1	1	1	0
10304	1	1	1	0
10305	1	1	1	0
10306	1	1	1	0
10307	1	1	1	0
10308	1	1	1	0
10309	1	1	1	0
10310	1	1	1	0
10311	1	1	1	0
10312	1	1	1	0
n	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.

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 : Pre		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10401	1	1	2	1	1	1	0	1
10402	1	1	2	1	1	1	0	1
10403	1	1	2	1	1	1	0	1
10404	1	1	2	1	1	1	0	1
10405	1	1	2	1	1	1	0	1
10406	1	1	2	1	1	1	0	1
10407	1	1	2	1	1	1	0	1
10408	1	1	2	1	1	1	0	1
10409	1	1	2	1	1	1	0	1
10410	1	1	2	1	1	1	0	1
10411	1	1	2	1	1	1	0	1
10412	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10401	1	1	1	0
10402	1	1	1	0
10403	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10407	1	1	1	0
10408	1	1	1	0
10409	1	1	1	0
10410	1	1	1	0
10411	1	1	1	0
10412	1	1	1	0
n	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.

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 7		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10101	1	1	2	1	1	1	0	1
10102	1	1	2	1	1	1	0	1
10103	1	1	2	1	1	1	0	1
10104	1	1	2	1	1	1	0	1
10105	1	1	2	1	1	1	0	1
10106	1	1	2	1	1	1	0	1
10107	1	1	2	1	1	1	0	1
10108	1	1	2	1	1	1	0	1
10109	1	1	2	1	1	1	0	1
10110	1	1	2	1	1	1	0	1
10111	1	1	2	1	1	1	0	1
10112	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10101	1	1	1	0
10102	1	1	1	0
10103	1	1	1	0
10104	1	1	1	0
10105	1	1	1	0
10106	1	1	1	0
10107	1	1	1	0
10108	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
10112	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 7		Species : Rat				
Sex : Male		Dose : IBMA 12 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10201	1	1	2	1	1	1	0	1
10202	1	1	2	1	1	1	0	1
10203	1	1	2	1	1	1	0	1
10204	1	1	2	1	1	1	0	1
10205	1	1	2	1	1	1	0	1
10206	1	1	2	1	1	1	0	1
10207	1	1	2	1	1	1	0	1
10208	1	1	2	1	1	1	0	1
10209	1	1	2	1	1	1	0	1
10210	1	1	2	1	1	1	0	1
10211	1	1	2	1	1	1	0	1
10212	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10201	1	1	1	0
10202	1	1	1	0
10203	1	1	1	0
10204	1	1	1	0
10205	1	1	1	0
10206	1	1	1	0
10207	1	1	1	0
10208	1	1	1	0
10209	1	1	1	0
10210	1	1	1	0
10211	1	1	1	0
10212	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 7		Species : Rat				
Sex : Male		Dose : IBMA 40 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10301	1	1	2	1	1	1	0	1
10302	1	1	2	1	1	1	0	1
10303	1	1	2	1	1	1	0	1
10304	1	1	2	1	1	1	0	1
10305	1	1	2	1	1	1	0	1
10306	1	1	2	1	1	1	0	1
10307	1	1	2	1	1	1	0	1
10308	1	1	2	1	1	1	0	1
10309	1	1	2	1	1	1	0	1
10310	1	1	2	1	1	1	0	1
10311	1	1	2	1	1	1	0	1
10312	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10301	1	1	1	0
10302	1	1	1	0
10303	1	1	1	0
10304	1	1	1	0
10305	1	1	1	0
10306	1	1	1	0
10307	1	1	1	0
10308	1	1	1	0
10309	1	1	1	0
10310	1	1	1	0
10311	1	1	1	0
10312	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 7		Species : Rat				
Sex : Male		Dose : IBMA 120 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10401	1	1	2	1	1	1	0	1
10402	1	1	2	1	1	1	0	1
10403	1	1	2	1	1	1	0	1
10404	1	1	2	1	1	1	0	1
10405	1	1	2	1	1	1	0	1
10406	1	1	2	1	1	1	0	1
10407	1	1	2	1	1	1	0	1
10408	1	1	2	1	1	1	0	1
10409	1	1	2	1	1	1	0	1
10410	1	1	2	1	1	1	0	1
10411	1	1	2	1	1	1	0	1
10412	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10401	1	1	1	0
10402	1	1	1	0
10403	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10407	1	1	1	0
10408	1	1	1	0
10409	1	1	1	0
10410	1	1	1	0
10411	1	1	1	0
10412	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 14		Species : Rat				
Sex : Male		Dose : IBMA 0 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10101	1	1	2	1	1	1	0	1
10102	1	1	2	1	1	1	0	1
10103	1	1	2	1	1	1	0	1
10104	1	1	2	1	1	1	0	1
10105	1	1	2	1	1	1	0	1
10106	1	1	2	1	1	1	0	1
10107	1	1	2	1	1	1	0	1
10108	1	1	2	1	1	1	0	1
10109	1	1	2	1	1	1	0	1
10110	1	1	2	1	1	1	0	1
10111	1	1	2	1	1	1	0	1
10112	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10101	1	1	1	0
10102	1	1	1	0
10103	1	1	1	0
10104	1	1	1	0
10105	1	1	1	0
10106	1	1	1	0
10107	1	1	1	0
10108	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
10112	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 14		Species : Rat				
Sex : Male		Dose : IBMA 12 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10201	1	1	2	1	1	1	0	1
10202	1	1	2	1	1	1	0	1
10203	1	1	2	1	1	1	0	1
10204	1	1	2	1	1	1	0	1
10205	1	1	2	1	1	1	0	1
10206	1	1	2	1	1	1	0	1
10207	1	1	2	1	1	1	0	1
10208	1	1	2	1	1	1	0	1
10209	1	1	2	1	1	1	0	1
10210	1	1	2	1	1	1	0	1
10211	1	1	2	1	1	1	0	1
10212	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10201	1	1	1	0
10202	1	1	1	0
10203	1	1	1	0
10204	1	1	1	0
10205	1	1	1	0
10206	1	1	1	0
10207	1	1	1	0
10208	1	1	1	0
10209	1	1	1	0
10210	1	1	1	0
10211	1	1	1	0
10212	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 14		Dose : IBMA 40 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10301	1	1	2	1	1	1	0	1	
10302	1	1	2	1	1	1	0	1	
10303	1	1	2	1	1	1	0	1	
10304	1	1	2	1	1	1	0	1	
10305	1	1	2	1	1	1	0	1	
10306	1	1	2	1	1	1	0	1	
10307	1	1	2	1	1	1	0	1	
10308	1	1	2	1	1	1	0	1	
10309	1	1	2	1	1	1	0	1	
10310	1	1	2	1	1	1	0	1	
10311	1	1	2	1	1	1	0	1	
10312	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10301	1	1	1	0
10302	1	1	1	0
10303	1	1	1	0
10304	1	1	1	0
10305	1	1	1	0
10306	1	1	1	0
10307	1	1	1	0
10308	1	1	1	0
10309	1	1	1	0
10310	1	1	1	0
10311	1	1	1	0
10312	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 14		Species : Rat				
Sex : Male		Dose : IBMA 120 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10401	1	1	2	1	1	1	0	1
10402	1	1	2	1	1	1	0	1
10403	1	1	2	1	1	1	0	1
10404	1	1	2	1	1	1	0	1
10405	1	1	2	1	1	1	0	1
10406	1	1	2	1	1	1	0	1
10407	1	1	2	1	1	1	0	1
10408	1	1	2	1	1	1	0	1
10409	1	1	2	1	1	1	0	1
10410	1	1	2	1	1	1	0	1
10411	1	1	2	1	1	1	0	1
10412	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10401	1	1	1	0
10402	1	1	1	0
10403	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10407	1	1	1	0
10408	1	1	1	0
10409	1	1	1	0
10410	1	1	1	0
10411	1	1	1	0
10412	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)			Stage : Day 21		Species : Rat			
Sex : Male			Dose : IBMA 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
Animal No.								
10101	1	1	2	1	1	1	0	1
10102	1	1	2	1	1	1	0	1
10103	1	1	2	1	1	1	0	1
10104	1	1	2	1	1	1	0	1
10105	1	1	2	1	1	1	0	1
10106	1	1	2	1	1	1	0	1
10107	1	1	2	1	1	1	0	1
10108	1	1	2	1	1	1	0	1
10109	1	1	2	1	1	1	0	1
10110	1	1	2	1	1	1	0	1
10111	1	1	2	1	1	1	0	1
10112	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10101	1	1	1	0
10102	1	1	1	0
10103	1	1	1	0
10104	1	1	1	0
10105	1	1	1	0
10106	1	1	1	0
10107	1	1	1	0
10108	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
10112	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 21		Species : Rat				
Sex : Male		Dose : IBMA 12 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10201	1	1	2	1	1	1	0	1
10202	1	1	2	1	1	1	0	1
10203	1	1	2	1	1	1	0	1
10204	1	1	2	1	1	1	0	1
10205	1	1	2	1	1	1	0	1
10206	1	1	2	1	1	1	0	1
10207	1	1	2	1	1	1	0	1
10208	1	1	2	1	1	1	0	1
10209	1	1	2	1	1	1	0	1
10210	1	1	2	1	1	1	0	1
10211	1	1	2	1	1	1	0	1
10212	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10201	1	1	1	0
10202	1	1	1	0
10203	1	1	1	0
10204	1	1	1	0
10205	1	1	1	0
10206	1	1	1	0
10207	1	1	1	0
10208	1	1	1	0
10209	1	1	1	0
10210	1	1	1	0
10211	1	1	1	0
10212	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 21		Species : Rat				
Sex : Male		Dose : IBMA 40 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10301	1	1	2	1	1	1	0	1
10302	1	1	2	1	1	1	0	1
10303	1	1	2	1	1	1	0	1
10304	1	1	2	1	1	1	0	1
10305	1	1	2	1	1	1	0	1
10306	1	1	2	1	1	1	0	1
10307	1	1	2	1	1	1	0	1
10308	1	1	2	1	1	1	0	1
10309	1	1	2	1	1	1	0	1
10310	1	1	2	1	1	1	0	1
10311	1	1	2	1	1	1	0	1
10312	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10301	1	1	1	0
10302	1	1	1	0
10303	1	1	1	0
10304	1	1	1	0
10305	1	1	1	0
10306	1	1	1	0
10307	1	1	1	0
10308	1	1	1	0
10309	1	1	1	0
10310	1	1	1	0
10311	1	1	1	0
10312	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 21		Species : Rat				
Sex : Male		Dose : IBMA 120 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10401	1	1	2	1	1	1	0	1
10402	1	1	2	1	1	1	0	1
10403	1	1	2	1	1	1	0	1
10404	1	1	2	1	1	1	0	1
10405	1	1	2	1	1	1	0	1
10406	1	1	2	1	1	1	0	1
10407	1	1	2	1	1	1	0	1
10408	1	1	2	1	1	1	0	1
10409	1	1	2	1	1	1	0	1
10410	1	1	2	1	1	1	0	1
10411	1	1	2	1	1	1	0	1
10412	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10401	1	1	1	0
10402	1	1	1	0
10403	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10407	1	1	1	0
10408	1	1	1	0
10409	1	1	1	0
10410	1	1	1	0
10411	1	1	1	0
10412	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 28		Species : Rat				
Sex : Male		Dose : IBMA 0 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10101	1	1	2	1	1	1	0	1
10102	1	1	2	1	1	1	0	1
10103	1	1	2	1	1	1	0	1
10104	1	1	2	1	1	1	0	1
10105	1	1	2	1	1	1	0	1
10106	1	1	2	1	1	1	0	1
10107	1	1	2	1	1	1	0	1
10108	1	1	2	1	1	1	0	1
10109	1	1	2	1	1	1	0	1
10110	1	1	2	1	1	1	0	1
10111	1	1	2	1	1	1	0	1
10112	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10101	1	1	1	0
10102	1	1	1	0
10103	1	1	1	0
10104	1	1	1	0
10105	1	1	1	0
10106	1	1	1	0
10107	1	1	1	0
10108	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
10112	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 28		Species : Rat				
Sex : Male		Dose : IBMA 12 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10201	1	1	2	1	1	1	0	1
10202	1	1	2	1	1	1	0	1
10203	1	1	2	1	1	1	0	1
10204	1	1	2	1	1	1	0	1
10205	1	1	2	1	1	1	0	1
10206	1	1	2	1	1	1	0	1
10207	1	1	2	1	1	1	0	1
10208	1	1	2	1	1	1	0	1
10209	1	1	2	1	1	1	0	1
10210	1	1	2	1	1	1	0	1
10211	1	1	2	1	1	1	0	1
10212	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10201	1	1	1	0
10202	1	1	1	0
10203	1	1	1	0
10204	1	1	1	0
10205	1	1	1	0
10206	1	1	1	0
10207	1	1	1	0
10208	1	1	1	0
10209	1	1	1	0
10210	1	1	1	0
10211	1	1	1	0
10212	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 28		Species : Rat				
Sex : Male		Dose : IBMA 40 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10301	1	1	2	1	1	1	0	1
10302	1	1	2	1	1	1	0	1
10303	1	1	2	1	1	1	0	1
10304	1	1	2	1	1	1	0	1
10305	1	1	2	1	1	1	0	1
10306	1	1	2	1	1	1	0	1
10307	1	1	2	1	1	1	0	1
10308	1	1	2	1	1	1	0	1
10309	1	1	2	1	1	1	0	1
10310	1	1	2	1	1	1	0	1
10311	1	1	2	1	1	1	0	1
10312	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10301	1	1	1	0
10302	1	1	1	0
10303	1	1	1	0
10304	1	1	1	0
10305	1	1	1	0
10306	1	1	1	0
10307	1	1	1	0
10308	1	1	1	0
10309	1	1	1	0
10310	1	1	1	0
10311	1	1	1	0
10312	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)					Stage : Day 28			
Sex : Male					Dose : IBMA 120 mg/kg			
					Species : Rat			
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10401	1	1	2	1	1	1	0	1
10402	1	1	2	1	1	1	0	1
10403	1	1	2	1	1	1	0	1
10404	1	1	2	1	1	1	0	1
10405	1	1	2	1	1	1	0	1
10406	1	1	2	1	1	1	0	1
10407	1	1	2	1	1	1	0	1
10408	1	1	2	1	1	1	0	1
10409	1	1	2	1	1	1	0	1
10410	1	1	2	1	1	1	0	1
10411	1	1	2	1	1	1	0	1
10412	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10401	1	1	1	0
10402	1	1	1	0
10403	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10407	1	1	1	0
10408	1	1	1	0
10409	1	1	1	0
10410	1	1	1	0
10411	1	1	1	0
10412	1	1	1	0
n	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.

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 : Pre		Species : Rat			
	Sex : Female		Dose : IBMA 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	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.

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 : Pre		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50251	1	1	2	1	1	1	0	1
50252	1	1	2	1	1	1	0	1
50253	1	1	2	1	1	1	0	1
50254	1	1	2	1	1	1	0	1
50255	1	1	2	1	1	1	0	1
50256	1	1	2	1	1	1	0	1
50257	1	1	2	1	1	1	0	1
50258	1	1	2	1	1	1	0	1
50259	1	1	2	1	1	1	0	1
50260	1	1	2	1	1	1	0	1
50261	1	1	2	1	1	1	0	1
50262	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	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.

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 : Pre		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50351	1	1	2	1	1	1	0	1
50352	1	1	2	1	1	1	0	1
50353	1	1	2	1	1	1	0	1
50354	1	1	2	1	1	1	0	1
50355	1	1	2	1	1	1	0	1
50356	1	1	2	1	1	1	0	1
50357	1	1	2	1	1	1	0	1
50358	1	1	2	1	1	1	0	1
50359	1	1	2	1	1	1	0	1
50360	1	1	2	1	1	1	0	1
50361	1	1	2	1	1	1	0	1
50362	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	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.

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 : Pre		Species : Rat			
	Sex : Female		Dose : IBMA 120 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	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.

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 7		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 7		Species : Rat				
Sex : Female		Dose : IBMA 12 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50251	1	1	2	1	1	1	0	1
50252	1	1	2	1	1	1	0	1
50253	1	1	2	1	1	1	0	1
50254	1	1	2	1	1	1	0	1
50255	1	1	2	1	1	1	0	1
50256	1	1	2	1	1	1	0	1
50257	1	1	2	1	1	1	0	1
50258	1	1	2	1	1	1	0	1
50259	1	1	2	1	1	1	0	1
50260	1	1	2	1	1	1	0	1
50261	1	1	2	1	1	1	0	1
50262	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	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.

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 7		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50351	1	1	2	1	1	1	0	1
50352	1	1	2	1	1	1	0	1
50353	1	1	2	1	1	1	0	1
50354	1	1	2	1	1	1	0	1
50355	1	1	2	1	1	1	0	1
50356	1	1	2	1	1	1	0	1
50357	1	1	2	1	1	1	0	1
50358	1	1	2	1	1	1	0	1
50359	1	1	2	1	1	1	0	1
50360	1	1	2	1	1	1	0	1
50361	1	1	2	1	1	1	0	1
50362	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 7		Species : Rat				
Sex : Female		Dose : IBMA 120 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 14		Species : Rat				
Sex : Female		Dose : IBMA 0 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 14		Species : Rat				
Sex : Female		Dose : IBMA 12 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50251	1	1	2	1	1	1	0	1
50252	1	1	2	1	1	1	0	1
50253	1	1	2	1	1	1	0	1
50254	1	1	2	1	1	1	0	1
50255	1	1	2	1	1	1	0	1
50256	1	1	2	1	1	1	0	1
50257	1	1	2	1	1	1	0	1
50258	1	1	2	1	1	1	0	1
50259	1	1	2	1	1	1	0	1
50260	1	1	2	1	1	1	0	1
50261	1	1	2	1	1	1	0	1
50262	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 14		Species : Rat				
Sex : Female		Dose : IBMA 40 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50351	1	1	2	1	1	1	0	1
50352	1	1	2	1	1	1	0	1
50353	1	1	2	1	1	1	0	1
50354	1	1	2	1	1	1	0	1
50355	1	1	2	1	1	1	0	1
50356	1	1	2	1	1	1	0	1
50357	1	1	2	1	1	1	0	1
50358	1	1	2	1	1	1	0	1
50359	1	1	2	1	1	1	0	1
50360	1	1	2	1	1	1	0	1
50361	1	1	2	1	1	1	0	1
50362	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 14		Species : Rat				
Sex : Female		Dose : IBMA 120 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 21		Species : Rat				
Sex : Female		Dose : IBMA 0 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 21		Species : Rat				
Sex : Female		Dose : IBMA 12 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50251	1	1	2	1	1	1	0	1
50252	1	1	2	1	1	1	0	1
50253	1	1	2	1	1	1	0	1
50254	1	1	2	1	1	1	0	1
50255	1	1	2	1	1	1	0	1
50256	1	1	2	1	1	1	0	1
50257	1	1	2	1	1	1	0	1
50258	1	1	2	1	1	1	0	1
50259	1	1	2	1	1	1	0	1
50260	1	1	2	1	1	1	0	1
50261	1	1	2	1	1	1	0	1
50262	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 21		Species : Rat				
Sex : Female		Dose : IBMA 40 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50351	1	1	2	1	1	1	0	1
50352	1	1	2	1	1	1	0	1
50353	1	1	2	1	1	1	0	1
50354	1	1	2	1	1	1	0	1
50355	1	1	2	1	1	1	0	1
50356	1	1	2	1	1	1	0	1
50357	1	1	2	1	1	1	0	1
50358	1	1	2	1	1	1	0	1
50359	1	1	2	1	1	1	0	1
50360	1	1	2	1	1	1	0	1
50361	1	1	2	1	1	1	0	1
50362	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 21		Species : Rat				
Sex : Female		Dose : IBMA 120 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)					Stage : Day 28			
Sex : Female					Dose : IBMA 0 mg/kg			
					Species : Rat			
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 28		Species : Rat				
Sex : Female		Dose : IBMA 12 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50251	1	1	2	1	1	1	0	1
50252	1	1	2	1	1	1	0	1
50253	1	1	2	1	1	1	0	1
50254	1	1	2	1	1	1	0	1
50255	1	1	2	1	1	1	0	1
50256	1	1	2	1	1	1	0	1
50257	1	1	2	1	1	1	0	1
50258	1	1	2	1	1	1	0	1
50259	1	1	2	1	1	1	0	1
50260	1	1	2	1	1	1	0	1
50261	1	1	2	1	1	1	0	1
50262	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 28		Species : Rat				
Sex : Female		Dose : IBMA 40 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50351	1	1	2	1	1	1	0	1
50352	1	1	2	1	1	1	0	1
50353	1	1	2	1	1	1	0	1
50354	1	1	2	1	1	1	0	1
50355	1	1	2	1	1	1	0	1
50356	1	1	2	1	1	1	0	1
50357	1	1	2	1	1	1	0	1
50358	1	1	2	1	1	1	0	1
50359	1	1	2	1	1	1	0	1
50360	1	1	2	1	1	1	0	1
50361	1	1	2	1	1	1	0	1
50362	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 28		Species : Rat				
Sex : Female		Dose : IBMA 120 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)					Stage : Day 35			
Sex : Female					Dose : IBMA 0 mg/kg			
					Species : Rat			
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 35		Dose : IBMA 12 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50251	1	1	2	1	1	1	0	1	
50252	1	1	2	1	1	1	0	1	
50253	1	1	2	1	1	1	0	1	
50254	1	1	2	1	1	1	0	1	
50255	1	1	2	1	1	1	0	1	
50256	1	1	2	1	1	1	0	1	
50257	1	1	2	1	1	1	0	1	
50258	1	1	2	1	1	1	0	1	
50259	1	1	2	1	1	1	0	1	
50260	1	1	2	1	1	1	0	1	
50261	1	1	2	1	1	1	0	1	
50262	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)					Stage : Day 35			
Sex : Female					Dose : IBMA 40 mg/kg			
					Species : Rat			
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50351	1	1	2	1	1	1	0	1
50352	1	1	2	1	1	1	0	1
50353	1	1	2	1	1	1	0	1
50354	1	1	2	1	1	1	0	1
50355	1	1	2	1	1	1	0	1
50356	1	1	2	1	1	1	0	1
50357	1	1	2	1	1	1	0	1
50358	1	1	2	1	1	1	0	1
50359	1	1	2	1	1	1	0	1
50360	1	1	2	1	1	1	0	1
50361	1	1	2	1	1	1	0	1
50362	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 35		Species : Rat				
Sex : Female		Dose : IBMA 120 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)					Stage : Day 42			
Sex : Female					Dose : IBMA 0 mg/kg			
					Species : Rat			
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)					Stage : Day 42			
Sex : Female					Dose : IBMA 12 mg/kg			
					Species : Rat			
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50251	1	1	2	1	1	1	0	1
50252	1	1	2	1	1	1	0	1
50253	1	1	2	1	1	1	0	1
50254	1	1	2	1	1	1	0	1
50255	1	1	2	1	1	1	0	1
50256	1	1	2	1	1	1	0	1
50257	1	1	2	1	1	1	0	1
50258	1	1	2	1	1	1	0	1
50259	1	1	2	1	1	1	0	1
50260	1	1	2	1	1	1	0	1
50261	1	1	2	1	1	1	0	1
50262	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)					Stage : Day 42			
Sex : Female					Dose : IBMA 40 mg/kg			
					Species : Rat			
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50351	1	1	2	1	1	1	0	1
50352	1	1	2	1	1	1	0	1
50353	1	1	2	1	1	1	0	1
50354	1	1	2	1	1	1	0	1
50355	1	1	2	1	1	1	0	1
50356	1	1	2	1	1	1	0	1
50357	1	1	2	1	1	1	0	1
50358	1	1	2	1	1	1	0	1
50359	1	1	2	1	1	1	0	1
50360	1	1	2	1	1	1	0	1
50361	1	1	2	1	1	1	0	1
50362	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	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.

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 42		Species : Rat			
	Sex : Female		Dose : IBMA 120 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)					Stage : Day 49			
Sex : Female					Dose : IBMA 0 mg/kg			
					Species : Rat			
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 49		Species : Rat				
Sex : Female		Dose : IBMA 12 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50251	1	1	2	1	1	1	0	1
50252	1	1	2	1	1	1	0	1
50253	1	1	2	1	1	1	0	1
50254	1	1	2	1	1	1	0	1
50255	1	1	2	1	1	1	0	1
50256	1	1	2	1	1	1	0	1
50257	1	1	2	1	1	1	0	1
50258	1	1	2	1	1	1	0	1
50259	1	1	2	1	1	1	0	1
50260	1	1	2	1	1	1	0	1
50261	1	1	2	1	1	1	0	1
50262	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)		Stage : Day 49		Species : Rat				
Sex : Female		Dose : IBMA 40 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50351	1	1	2	1	1	1	0	1
50352	1	1	2	1	1	1	0	1
50353	1	1	2	1	1	1	0	1
50354	1	1	2	1	1	1	0	1
50355	1	1	2	1	1	1	0	1
50356	1	1	2	1	1	1	0	1
50357	1	1	2	1	1	1	0	1
50358	1	1	2	1	1	1	0	1
50359	1	1	2	1	1	1	0	1
50360	1	1	2	1	1	1	0	1
50361	1	1	2	1	1	1	0	1
50362	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)				Stage : Day 49		Species : Rat			
Sex : Female				Dose : IBMA 120 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50451	1	1	2	1	1	1	0	1	
50453	1	1	2	1	1	1	0	1	
50454	1	1	2	1	1	1	0	1	
50459	1	1	2	1	1	1	0	1	
50460	1	1	2	1	1	1	0	1	
50461	1	1	2	1	1	1	0	1	
50462	1	1	2	1	1	1	0	1	
n	7	7	7	7	7	7	7	7	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	7	7	7	7

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 : Pre		Species : Rat			
	Sex : Female (satellite)		Dose : IBMA 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50551	1	1	2	1	1	1	0	1
50552	1	1	2	1	1	1	0	1
50553	1	1	2	1	1	1	0	1
50554	1	1	2	1	1	1	0	1
50555	1	1	2	1	1	1	0	1
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50551	1	1	1	0
50552	1	1	1	0
50553	1	1	1	0
50554	1	1	1	0
50555	1	1	1	0
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	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.

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 : Pre		Species : Rat			
	Sex : Female (satellite)		Dose : IBMA 120 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50651	1	1	2	1	1	1	0	1
50652	1	1	2	1	1	1	0	1
50653	1	1	2	1	1	1	0	1
50654	1	1	2	1	1	1	0	1
50655	1	1	2	1	1	1	0	1
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50651	1	1	1	0
50652	1	1	1	0
50653	1	1	1	0
50654	1	1	1	0
50655	1	1	1	0
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	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.

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 7		Species : Rat			
	Sex : Female (satellite)		Dose : IBMA 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50551	1	1	2	1	1	1	0	1
50552	1	1	2	1	1	1	0	1
50553	1	1	2	1	1	1	0	1
50554	1	1	2	1	1	1	0	1
50555	1	1	2	1	1	1	0	1
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50551	1	1	1	0
50552	1	1	1	0
50553	1	1	1	0
50554	1	1	1	0
50555	1	1	1	0
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	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.

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 7		Species : Rat			
	Sex : Female (satellite)		Dose : IBMA 120 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50651	1	1	2	1	1	1	0	1
50652	1	1	2	1	1	1	0	1
50653	1	1	2	1	1	1	0	1
50654	1	1	2	1	1	1	0	1
50655	1	1	2	1	1	1	0	1
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50651	1	1	1	0
50652	1	1	1	0
50653	1	1	1	0
50654	1	1	1	0
50655	1	1	1	0
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	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.

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)		Dose : IBMA 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50551	1	1	2	1	1	1	0	1
50552	1	1	2	1	1	1	0	1
50553	1	1	2	1	1	1	0	1
50554	1	1	2	1	1	1	0	1
50555	1	1	2	1	1	1	0	1
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50551	1	1	1	0
50552	1	1	1	0
50553	1	1	1	0
50554	1	1	1	0
50555	1	1	1	0
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	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.

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)		Dose : IBMA 120 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50651	1	1	2	1	1	1	0	1
50652	1	1	2	1	1	1	0	1
50653	1	1	2	1	1	1	0	1
50654	1	1	2	1	1	1	0	1
50655	1	1	2	1	1	1	0	1
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50651	1	1	1	0
50652	1	1	1	0
50653	1	1	1	0
50654	1	1	1	0
50655	1	1	1	0
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	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.

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)		Dose : IBMA 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50551	1	1	2	1	1	1	0	1
50552	1	1	2	1	1	1	0	1
50553	1	1	2	1	1	1	0	1
50554	1	1	2	1	1	1	0	1
50555	1	1	2	1	1	1	0	1
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50551	1	1	1	0
50552	1	1	1	0
50553	1	1	1	0
50554	1	1	1	0
50555	1	1	1	0
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	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.

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)		Dose : IBMA 120 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50651	1	1	2	1	1	1	0	1
50652	1	1	2	1	1	1	0	1
50653	1	1	2	1	1	1	0	1
50654	1	1	2	1	1	1	0	1
50655	1	1	2	1	1	1	0	1
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50651	1	1	1	0
50652	1	1	1	0
50653	1	1	1	0
50654	1	1	1	0
50655	1	1	1	0
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	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.

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)		Dose : IBMA 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50551	1	1	2	1	1	1	0	1
50552	1	1	2	1	1	1	0	1
50553	1	1	2	1	1	1	0	1
50554	1	1	2	1	1	1	0	1
50555	1	1	2	1	1	1	0	1
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50551	1	1	1	0
50552	1	1	1	0
50553	1	1	1	0
50554	1	1	1	0
50555	1	1	1	0
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	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.

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)		Dose : IBMA 120 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50651	1	1	2	1	1	1	0	1
50652	1	1	2	1	1	1	0	1
50653	1	1	2	1	1	1	0	1
50654	1	1	2	1	1	1	0	1
50655	1	1	2	1	1	1	0	1
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50651	1	1	1	0
50652	1	1	1	0
50653	1	1	1	0
50654	1	1	1	0
50655	1	1	1	0
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)			Stage : Recovery Day 7		Species : Rat			
Sex : Male			Dose : IBMA 0 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10103	1	1	2	1	1	1	0	1
10106	1	1	2	1	1	1	0	1
10109	1	1	2	1	1	1	0	1
10110	1	1	2	1	1	1	0	1
10111	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10103	1	1	1	0
10106	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)			Stage : Recovery Day 7		Species : Rat			
Sex : Male			Dose : IBMA 120 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10402	1	1	2	1	1	1	0	1
10405	1	1	2	1	1	1	0	1
10408	1	1	2	1	1	1	0	1
10410	1	1	2	1	1	1	0	1
10412	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10402	1	1	1	0
10405	1	1	1	0
10408	1	1	1	0
10410	1	1	1	0
10412	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)			Stage : Recovery Day 14		Species : Rat			
Sex : Male			Dose : IBMA 0 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10103	1	1	2	1	1	1	0	1
10106	1	1	2	1	1	1	0	1
10109	1	1	2	1	1	1	0	1
10110	1	1	2	1	1	1	0	1
10111	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10103	1	1	1	0
10106	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)			Stage : Recovery Day 14			Species : Rat		
Sex : Male			Dose : IBMA 120 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10402	1	1	2	1	1	1	0	1
10405	1	1	2	1	1	1	0	1
10408	1	1	2	1	1	1	0	1
10410	1	1	2	1	1	1	0	1
10412	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10402	1	1	1	0
10405	1	1	1	0
10408	1	1	1	0
10410	1	1	1	0
10412	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)			Stage : Recovery Day 7		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 0 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)			Stage : Recovery Day 7		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 120 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)			Stage : Recovery Day 14		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 0 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	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.

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.

Detailed clinical observation (on the hand)			Stage : Recovery Day 14		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 120 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	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.

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.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Male				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10101	1	1	1	1	0	0	0	0	
10102	1	1	1	1	0	1	0	0	
10103	1	1	1	1	1	0	0	0	
10104	1	1	1	1	0	0	0	0	
10105	1	1	1	1	1	0	0	0	
10106	1	1	1	1	1	0	0	0	
10107	1	1	1	1	0	0	0	0	
10108	1	1	1	1	0	1	0	0	
10109	1	1	1	1	0	0	0	0	
10110	1	1	1	1	1	0	0	0	
10111	1	1	1	1	1	0	0	0	
10112	1	1	1	1	1	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10101	1	1	1
10102	1	1	1
10103	1	1	1
10104	1	1	1
10105	1	1	1
10106	1	1	1
10107	1	1	1
10108	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
10112	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Male				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10201	1	1	1	1	1	1	0	0	
10202	1	1	1	1	0	0	0	0	
10203	1	1	1	1	1	1	0	0	
10204	1	1	1	1	1	1	0	0	
10205	1	1	1	1	0	0	0	0	
10206	1	1	1	1	1	0	0	0	
10207	1	1	1	1	0	0	0	0	
10208	1	1	1	1	1	1	0	0	
10209	1	1	1	1	1	0	0	0	
10210	1	1	1	1	0	0	0	0	
10211	1	1	1	1	0	0	0	0	
10212	1	1	1	1	1	1	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10201	1	1	1
10202	1	1	1
10203	1	1	1
10204	1	1	1
10205	1	1	1
10206	1	1	1
10207	1	1	1
10208	1	1	1
10209	1	1	1
10210	1	1	1
10211	1	1	1
10212	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Male				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10301	1	1	1	1	1	1	0	0	
10302	1	1	1	1	1	1	0	0	
10303	1	1	1	1	0	0	0	0	
10304	1	1	1	1	0	1	0	0	
10305	1	1	1	1	0	0	0	0	
10306	1	1	1	1	0	0	0	0	
10307	1	1	1	1	0	0	0	0	
10308	1	1	1	1	0	1	0	0	
10309	1	1	1	1	0	0	0	0	
10310	1	1	1	1	0	0	0	0	
10311	1	1	1	1	0	0	0	0	
10312	1	1	1	1	1	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10301	1	1	1
10302	1	1	1
10303	1	1	1
10304	1	1	1
10305	1	1	1
10306	1	1	1
10307	1	1	1
10308	1	1	1
10309	1	1	1
10310	1	1	1
10311	1	1	1
10312	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Male				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10401	1	1	1	1	0	0	0	0	
10402	1	1	1	1	1	1	0	0	
10403	1	1	1	1	0	0	0	0	
10404	1	1	1	1	0	0	0	0	
10405	1	1	1	1	0	0	0	0	
10406	1	1	1	1	0	0	0	0	
10407	1	1	1	1	1	0	0	0	
10408	1	1	1	1	1	1	0	0	
10409	1	1	1	1	0	0	0	0	
10410	1	1	1	1	0	0	0	0	
10411	1	1	1	1	0	1	0	0	
10412	1	1	1	1	1	1	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10401	1	1	1
10402	1	1	1
10403	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10407	1	1	1
10408	1	1	1
10409	1	1	1
10410	1	1	1
10411	1	1	1
10412	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Male				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10101	1	1	1	1	0	0	0	0	
10102	1	1	1	1	0	1	0	0	
10103	1	1	1	1	0	0	0	0	
10104	1	1	1	1	1	0	0	0	
10105	1	1	1	1	0	0	0	0	
10106	1	1	1	1	1	0	0	0	
10107	1	1	1	1	0	0	0	0	
10108	1	1	1	1	0	0	0	0	
10109	1	1	1	1	0	0	0	0	
10110	1	1	1	1	1	0	0	0	
10111	1	1	1	1	0	0	0	0	
10112	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10101	1	1	1
10102	1	1	1
10103	1	1	1
10104	1	1	1
10105	1	1	1
10106	1	1	1
10107	1	1	1
10108	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
10112	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Male				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10201	1	1	1	1	1	1	0	0	
10202	1	1	1	1	0	0	0	0	
10203	1	1	1	1	1	1	0	0	
10204	1	1	1	1	1	0	0	0	
10205	1	1	1	1	1	0	0	0	
10206	1	1	1	1	0	1	0	0	
10207	1	1	1	1	0	0	0	0	
10208	1	1	1	1	0	1	0	0	
10209	1	1	1	1	1	0	0	0	
10210	1	1	1	1	0	0	0	0	
10211	1	1	1	1	0	0	0	0	
10212	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10201	1	1	1
10202	1	1	1
10203	1	1	1
10204	1	1	1
10205	1	1	1
10206	1	1	1
10207	1	1	1
10208	1	1	1
10209	1	1	1
10210	1	1	1
10211	1	1	1
10212	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Male				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10301	1	1	1	1	1	0	0	0	
10302	1	1	1	1	1	1	0	0	
10303	1	1	1	1	0	0	0	0	
10304	1	1	1	1	0	0	0	0	
10305	1	1	1	1	0	0	0	0	
10306	1	1	1	1	0	0	0	0	
10307	1	1	1	1	0	0	0	0	
10308	1	1	1	1	1	1	0	0	
10309	1	1	1	1	0	0	0	0	
10310	1	1	1	1	0	0	0	0	
10311	1	1	1	1	0	0	0	0	
10312	1	1	1	1	1	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10301	1	1	1
10302	1	1	1
10303	1	1	1
10304	1	1	1
10305	1	1	1
10306	1	1	1
10307	1	1	1
10308	1	1	1
10309	1	1	1
10310	1	1	1
10311	1	1	1
10312	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Male				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10401	1	1	1	1	0	0	0	0	
10402	1	1	1	1	1	0	0	0	
10403	1	1	1	1	0	0	0	0	
10404	1	1	1	1	0	0	0	0	
10405	1	1	1	1	0	0	0	0	
10406	1	1	1	1	0	0	0	0	
10407	1	1	1	1	0	0	0	0	
10408	1	1	1	1	0	0	0	0	
10409	1	1	1	1	0	0	0	0	
10410	1	1	1	1	1	0	0	0	
10411	1	1	1	1	0	0	0	0	
10412	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10401	1	1	1
10402	1	1	1
10403	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10407	1	1	1
10408	1	1	1
10409	1	1	1
10410	1	1	1
10411	1	1	1
10412	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Male				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10101	1	1	1	1	0	0	0	0	
10102	1	1	1	1	0	0	0	0	
10103	1	1	1	1	0	0	0	0	
10104	1	1	1	1	0	0	0	0	
10105	1	1	1	1	0	0	0	0	
10106	1	1	1	1	1	0	0	0	
10107	1	1	1	1	0	0	0	0	
10108	1	1	1	1	0	0	0	0	
10109	1	1	1	1	0	0	0	0	
10110	1	1	1	1	1	0	0	0	
10111	1	1	1	1	0	0	0	0	
10112	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10101	1	1	1
10102	1	1	1
10103	1	1	1
10104	1	1	1
10105	1	1	1
10106	1	1	1
10107	1	1	1
10108	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
10112	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Male				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10201	1	1	1	1	0	0	0	0	
10202	1	1	1	1	0	0	0	0	
10203	1	1	1	1	0	0	0	0	
10204	1	1	1	1	0	0	0	0	
10205	1	1	1	1	0	0	0	0	
10206	1	1	1	1	0	0	0	0	
10207	1	1	1	1	0	0	0	0	
10208	1	1	1	1	0	0	0	0	
10209	1	1	1	1	0	0	0	0	
10210	1	1	1	1	0	0	0	0	
10211	1	1	1	1	0	0	0	0	
10212	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10201	1	1	1
10202	1	1	1
10203	1	1	1
10204	1	1	1
10205	1	1	1
10206	1	1	1
10207	1	1	1
10208	1	1	1
10209	1	1	1
10210	1	1	1
10211	1	1	1
10212	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Male				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10301	1	1	1	1	0	0	0	0	
10302	1	1	1	1	0	0	0	0	
10303	1	1	1	1	0	0	0	0	
10304	1	1	1	1	0	0	0	0	
10305	1	1	1	1	0	0	0	0	
10306	1	1	1	1	0	0	0	0	
10307	1	1	1	1	0	0	0	0	
10308	1	1	1	1	0	0	0	0	
10309	1	1	1	1	0	0	0	0	
10310	1	1	1	1	0	0	0	0	
10311	1	1	1	1	0	0	0	0	
10312	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10301	1	1	1
10302	1	1	1
10303	1	1	1
10304	1	1	1
10305	1	1	1
10306	1	1	1
10307	1	1	1
10308	1	1	1
10309	1	1	1
10310	1	1	1
10311	1	1	1
10312	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Male				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10401	1	1	1	1	0	0	0	0	
10402	1	1	1	1	0	0	0	0	
10403	1	1	1	1	0	0	0	0	
10404	1	1	1	1	0	0	0	0	
10405	1	1	1	1	0	0	0	0	
10406	1	1	1	1	1	0	0	0	
10407	1	1	1	1	0	0	0	0	
10408	1	1	1	1	0	1	0	0	
10409	1	1	1	1	0	0	0	0	
10410	1	1	1	1	1	0	0	0	
10411	1	1	1	1	0	0	0	0	
10412	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10401	1	1	1
10402	1	1	1
10403	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10407	1	1	1
10408	1	1	1
10409	1	1	1
10410	1	1	1
10411	1	1	1
10412	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Male				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10101	1	1	1	1	0	0	0	0	
10102	1	1	1	1	0	0	0	0	
10103	1	1	1	1	0	0	0	0	
10104	1	1	1	1	0	0	0	0	
10105	1	1	1	1	0	0	0	0	
10106	1	1	1	1	0	0	0	0	
10107	1	1	1	1	0	0	0	0	
10108	1	1	1	1	0	0	0	0	
10109	1	1	1	1	0	0	0	0	
10110	1	1	1	1	0	0	0	0	
10111	1	1	1	1	0	0	0	0	
10112	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10101	1	1	1
10102	1	1	1
10103	1	1	1
10104	1	1	1
10105	1	1	1
10106	1	1	1
10107	1	1	1
10108	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
10112	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Male				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10201	1	1	1	1	0	0	0	0	
10202	1	1	1	1	0	0	0	0	
10203	1	1	1	1	0	1	0	0	
10204	1	1	1	1	0	0	0	0	
10205	1	1	1	1	0	0	0	0	
10206	1	1	1	1	0	0	0	0	
10207	1	1	1	1	0	0	0	0	
10208	1	1	1	1	0	0	0	0	
10209	1	1	1	1	0	0	0	0	
10210	1	1	1	1	0	0	0	0	
10211	1	1	1	1	0	0	0	0	
10212	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10201	1	1	1
10202	1	1	1
10203	1	1	1
10204	1	1	1
10205	1	1	1
10206	1	1	1
10207	1	1	1
10208	1	1	1
10209	1	1	1
10210	1	1	1
10211	1	1	1
10212	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Male				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10301	1	1	1	1	0	0	0	0	
10302	1	1	1	1	0	0	0	0	
10303	1	1	1	1	0	0	0	0	
10304	1	1	1	1	0	0	0	0	
10305	1	1	1	1	1	0	0	0	
10306	1	1	1	1	0	0	0	0	
10307	1	1	1	1	0	0	0	0	
10308	1	1	1	1	0	0	0	0	
10309	1	1	1	1	0	0	0	0	
10310	1	1	1	1	0	0	0	0	
10311	1	1	1	1	0	0	0	0	
10312	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10301	1	1	1
10302	1	1	1
10303	1	1	1
10304	1	1	1
10305	1	1	1
10306	1	1	1
10307	1	1	1
10308	1	1	1
10309	1	1	1
10310	1	1	1
10311	1	1	1
10312	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Male				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10401	1	1	1	1	0	0	0	0	
10402	1	1	1	1	0	0	0	0	
10403	1	1	1	1	0	0	0	0	
10404	1	1	1	1	0	0	0	0	
10405	1	1	1	1	0	0	0	0	
10406	1	1	1	1	1	0	0	0	
10407	1	1	1	1	0	0	0	0	
10408	1	1	1	1	1	1	0	0	
10409	1	1	1	1	0	0	0	0	
10410	1	1	1	1	1	0	0	0	
10411	1	1	1	1	0	0	0	0	
10412	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10401	1	1	1
10402	1	1	1
10403	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10407	1	1	1
10408	1	1	1
10409	1	1	1
10410	1	1	1
10411	1	1	1
10412	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Male				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10101	1	1	1	1	0	0	0	0	
10102	1	1	1	1	0	0	0	0	
10103	1	1	1	1	0	0	0	0	
10104	1	1	1	1	0	0	0	0	
10105	1	1	1	1	0	0	0	0	
10106	1	1	1	1	1	0	0	0	
10107	1	1	1	1	0	0	0	0	
10108	1	1	1	1	0	0	0	0	
10109	1	1	1	1	0	0	0	0	
10110	1	1	1	1	0	0	0	0	
10111	1	1	1	1	0	0	0	0	
10112	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10101	1	1	1
10102	1	1	1
10103	1	1	1
10104	1	1	1
10105	1	1	1
10106	1	1	1
10107	1	1	1
10108	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
10112	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Male				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10201	1	1	1	1	0	0	0	0	
10202	1	1	1	1	0	0	0	0	
10203	1	1	1	1	1	0	0	0	
10204	1	1	1	1	1	0	0	0	
10205	1	1	1	1	0	0	0	0	
10206	1	1	1	1	0	0	0	0	
10207	1	1	1	1	0	0	0	0	
10208	1	1	1	1	1	0	0	0	
10209	1	1	1	1	0	0	0	0	
10210	1	1	1	1	0	0	0	0	
10211	1	1	1	1	0	0	0	0	
10212	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10201	1	1	1
10202	1	1	1
10203	1	1	1
10204	1	1	1
10205	1	1	1
10206	1	1	1
10207	1	1	1
10208	1	1	1
10209	1	1	1
10210	1	1	1
10211	1	1	1
10212	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Male				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10301	1	1	1	1	0	0	0	0	
10302	1	1	1	1	0	0	0	0	
10303	1	1	1	1	0	0	0	0	
10304	1	1	1	1	0	0	0	0	
10305	1	1	1	1	0	0	0	0	
10306	1	1	1	1	0	0	0	0	
10307	1	1	1	1	0	0	0	0	
10308	1	1	1	1	1	0	0	0	
10309	1	1	1	1	0	0	0	0	
10310	1	1	1	1	0	0	0	0	
10311	1	1	1	1	0	0	0	0	
10312	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10301	1	1	1
10302	1	1	1
10303	1	1	1
10304	1	1	1
10305	1	1	1
10306	1	1	1
10307	1	1	1
10308	1	1	1
10309	1	1	1
10310	1	1	1
10311	1	1	1
10312	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Male				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10401	1	1	1	1	0	0	0	0	
10402	1	1	1	1	0	0	0	0	
10403	1	1	1	1	0	0	0	0	
10404	1	1	1	1	0	0	0	0	
10405	1	1	1	1	0	0	0	0	
10406	1	1	1	1	1	0	0	0	
10407	1	1	1	1	0	0	0	0	
10408	1	1	1	1	0	1	0	0	
10409	1	1	1	1	0	0	0	0	
10410	1	1	1	1	1	0	0	0	
10411	1	1	1	1	0	0	0	0	
10412	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10401	1	1	1
10402	1	1	1
10403	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10407	1	1	1
10408	1	1	1
10409	1	1	1
10410	1	1	1
10411	1	1	1
10412	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Female				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	0	0	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Female				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	1	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	1	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Female				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	1	1	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	0	0	0	0	
50354	1	1	1	1	0	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	1	1	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Female				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	0	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	1	1	0	0	
50455	1	1	1	1	0	0	0	0	
50456	1	1	1	1	0	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	0	0	0	0	
50460	1	1	1	1	0	0	0	0	
50461	1	1	1	1	0	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Female				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	1	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	0	0	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Female				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	1	1	0	0	
50254	1	1	1	1	1	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Female				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	0	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	0	0	0	0	
50354	1	1	1	1	1	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	0	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	1	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Female				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	0	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	0	1	0	0	
50455	1	1	1	1	0	0	0	0	
50456	1	1	1	1	0	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	0	0	0	0	
50460	1	1	1	1	0	0	0	0	
50461	1	1	1	1	0	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Female				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	0	0	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Female				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	1	1	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Female				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	0	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	0	0	0	0	
50354	1	1	1	1	0	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	0	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Female				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	0	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	1	0	0	0	
50455	1	1	1	1	0	0	0	0	
50456	1	1	1	1	0	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	0	0	0	0	
50460	1	1	1	1	0	0	0	0	
50461	1	1	1	1	0	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Female				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	0	0	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Female				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	1	0	0	0	
50253	1	1	1	1	0	0	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Female				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	0	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	0	0	0	0	
50354	1	1	1	1	0	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	1	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Female				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	0	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	0	0	0	0	
50455	1	1	1	1	0	0	0	0	
50456	1	1	1	1	0	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	0	0	0	0	
50460	1	1	1	1	0	0	0	0	
50461	1	1	1	1	0	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Female				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	0	0	0	0	
50160	1	1	1	1	1	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Female				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	1	0	0	0	
50253	1	1	1	1	1	0	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Female				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	0	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	0	0	0	0	
50354	1	1	1	1	0	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	1	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Female				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	0	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	1	0	0	0	
50455	1	1	1	1	0	0	0	0	
50456	1	1	1	1	0	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	0	0	0	0	
50460	1	1	1	1	0	0	0	0	
50461	1	1	1	1	0	0	0	0	
50462	1	1	1	1	1	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 35		Species : Rat			
Sex : Female				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	0	0	0	0	
50160	1	1	1	1	1	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 35		Species : Rat			
Sex : Female				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	1	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 35		Species : Rat			
Sex : Female				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	1	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	0	0	0	0	
50354	1	1	1	1	0	0	0	0	
50355	1	1	1	1	1	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	0	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 35		Species : Rat			
Sex : Female				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	0	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	1	0	0	0	
50455	1	1	1	1	0	0	0	0	
50456	1	1	1	1	0	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	1	0	0	0	
50460	1	1	1	1	0	0	0	0	
50461	1	1	1	1	0	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 42		Species : Rat			
Sex : Female				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	1	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	0	0	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 42		Species : Rat			
Sex : Female				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	0	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	1	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 42		Species : Rat			
Sex : Female				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	0	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	1	0	0	0	
50354	1	1	1	1	1	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	1	0	1	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 42		Species : Rat			
Sex : Female				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	1	0	0	0	
50456	1	1	1	1	0	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	0	0	0	0	
50460	1	1	1	1	0	0	0	0	
50461	1	1	1	1	0	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	10	10	10	10	10	10	10	10	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50453	1	1	1
50454	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	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 49		Species : Rat			
Sex : Female				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	1	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	0	0	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 49		Species : Rat			
Sex : Female				Dose : IBMA 12 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	1	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	1	0	0	
50254	1	1	1	1	1	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 49		Species : Rat			
Sex : Female				Dose : IBMA 40 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	0	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	0	0	0	0	
50354	1	1	1	1	0	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	1	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	1	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Day 49		Species : Rat			
Sex : Female				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	0	1	1	1	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	0	1	1	1	0	0	0	
50459	1	0	1	1	1	0	0	0	
50460	1	1	1	1	0	0	0	0	
50461	1	1	1	1	0	0	0	0	
50462	1	0	1	1	0	0	0	0	
n	7	7	7	7	7	7	7	7	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50453	1	1	1
50454	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	7	7	7

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 : Pre		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50551	1	1	1	1	1	0	0	0
50552	1	1	1	1	0	0	0	0
50553	1	1	1	1	0	0	0	0
50554	1	1	1	1	1	0	0	0
50555	1	1	1	1	1	0	0	0
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	1	0	0	0
50558	1	1	1	1	0	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50551	1	1	1
50552	1	1	1
50553	1	1	1
50554	1	1	1
50555	1	1	1
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	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 : Pre		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50651	1	1	1	1	0	0	0	0
50652	1	1	1	1	0	0	0	0
50653	1	1	1	1	0	0	0	0
50654	1	1	1	1	0	0	0	0
50655	1	1	1	1	0	0	0	0
50656	1	1	1	1	0	0	0	0
50657	1	1	1	1	0	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	1	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50651	1	1	1
50652	1	1	1
50653	1	1	1
50654	1	1	1
50655	1	1	1
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	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 7		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50551	1	1	1	1	0	0	0	0
50552	1	1	1	1	0	0	0	0
50553	1	1	1	1	0	0	0	0
50554	1	1	1	1	0	0	0	0
50555	1	1	1	1	0	0	0	0
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	1	0	0	0
50558	1	1	1	1	0	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	1	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50551	1	1	1
50552	1	1	1
50553	1	1	1
50554	1	1	1
50555	1	1	1
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	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 7		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50651	1	1	1	1	0	0	0	0
50652	1	1	1	1	0	0	0	0
50653	1	1	1	1	0	0	0	0
50654	1	1	1	1	0	0	0	0
50655	1	1	1	1	0	0	0	0
50656	1	1	1	1	0	0	0	0
50657	1	1	1	1	1	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50651	1	1	1
50652	1	1	1
50653	1	1	1
50654	1	1	1
50655	1	1	1
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	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 14		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50551	1	1	1	1	0	0	0	0
50552	1	1	1	1	0	0	0	0
50553	1	1	1	1	0	0	0	0
50554	1	1	1	1	0	0	0	0
50555	1	1	1	1	0	0	0	0
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	1	0	0	0
50558	1	1	1	1	0	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	1	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50551	1	1	1
50552	1	1	1
50553	1	1	1
50554	1	1	1
50555	1	1	1
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	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 14		Species : Rat			
Sex : Female (satellite)				Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50651	1	1	1	1	0	0	0	0	
50652	1	1	1	1	0	0	0	0	
50653	1	1	1	1	0	0	0	0	
50654	1	1	1	1	0	0	0	0	
50655	1	1	1	1	0	0	0	0	
50656	1	1	1	1	0	0	0	0	
50657	1	1	1	1	0	0	0	0	
50658	1	1	1	1	0	0	0	0	
50659	1	1	1	1	0	0	0	0	
50660	1	1	1	1	0	0	0	0	
n	10	10	10	10	10	10	10	10	

Animal No.	Walking backward	Vocalization	Aggression
50651	1	1	1
50652	1	1	1
50653	1	1	1
50654	1	1	1
50655	1	1	1
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	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 21		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50551	1	1	1	1	0	0	0	0
50552	1	1	1	1	0	0	0	0
50553	1	1	1	1	0	0	0	0
50554	1	1	1	1	0	0	0	0
50555	1	1	1	1	0	0	0	0
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	0	0	0	0
50558	1	1	1	1	0	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50551	1	1	1
50552	1	1	1
50553	1	1	1
50554	1	1	1
50555	1	1	1
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	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 21		Species : Rat				
Sex : Female (satellite)			Dose : IBMA 120 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50651	1	1	1	1	0	0	0	0	
50652	1	1	1	1	0	0	0	0	
50653	1	1	1	1	0	0	0	0	
50654	1	1	1	1	0	0	0	0	
50655	1	1	1	1	0	0	0	0	
50656	1	1	1	1	0	0	0	0	
50657	1	1	1	1	0	0	0	0	
50658	1	1	1	1	0	0	0	0	
50659	1	1	1	1	0	0	0	0	
50660	1	1	1	1	0	0	0	0	
n	10	10	10	10	10	10	10	10	

Animal No.	Walking backward	Vocalization	Aggression
50651	1	1	1
50652	1	1	1
50653	1	1	1
50654	1	1	1
50655	1	1	1
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	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 28		Species : Rat				
Sex : Female (satellite)			Dose : IBMA 0 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50551	1	1	1	1	0	0	0	0	
50552	1	1	1	1	0	0	0	0	
50553	1	1	1	1	0	0	0	0	
50554	1	1	1	1	0	0	0	0	
50555	1	1	1	1	0	0	0	0	
50556	1	1	1	1	0	0	0	0	
50557	1	1	1	1	0	0	0	0	
50558	1	1	1	1	0	0	0	0	
50559	1	1	1	1	0	0	0	0	
50560	1	1	1	1	0	0	0	0	
n	10	10	10	10	10	10	10	10	

Animal No.	Walking backward	Vocalization	Aggression
50551	1	1	1
50552	1	1	1
50553	1	1	1
50554	1	1	1
50555	1	1	1
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	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 28		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50651	1	1	1	1	0	0	0	0
50652	1	1	1	1	0	0	0	0
50653	1	1	1	1	0	0	0	0
50654	1	1	1	1	0	0	0	0
50655	1	1	1	1	0	0	0	0
50656	1	1	1	1	0	0	0	0
50657	1	1	1	1	1	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50651	1	1	1
50652	1	1	1
50653	1	1	1
50654	1	1	1
50655	1	1	1
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	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 : Recovery Day 7		Species : Rat				
Sex : Male			Dose : IBMA 0 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10103	1	1	1	1	0	0	0	0	
10106	1	1	1	1	0	0	0	0	
10109	1	1	1	1	0	0	0	0	
10110	1	1	1	1	0	0	0	0	
10111	1	1	1	1	0	0	0	0	
n	5	5	5	5	5	5	5	5	

Animal No.	Walking backward	Vocalization	Aggression
10103	1	1	1
10106	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
n	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.

Detailed clinical observation (in the open field)			Stage : Recovery Day 7		Species : Rat				
Sex : Male			Dose : IBMA 120 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10402	1	1	1	1	0	0	0	0	
10405	1	1	1	1	0	0	0	0	
10408	1	1	1	1	0	0	0	0	
10410	1	1	1	1	1	0	0	0	
10412	1	1	1	1	0	0	0	0	
n	5	5	5	5	5	5	5	5	

Animal No.	Walking backward	Vocalization	Aggression
10402	1	1	1
10405	1	1	1
10408	1	1	1
10410	1	1	1
10412	1	1	1
n	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.

Detailed clinical observation (in the open field)				Stage : Recovery Day 14		Species : Rat			
Sex : Male				Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10103	1	1	1	1	0	0	0	0	
10106	1	1	1	1	1	0	0	0	
10109	1	1	1	1	0	0	0	0	
10110	1	1	1	1	0	0	0	0	
10111	1	1	1	1	0	0	0	0	
n	5	5	5	5	5	5	5	5	

Animal No.	Walking backward	Vocalization	Aggression
10103	1	1	1
10106	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
n	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.

Detailed clinical observation (in the open field)			Stage : Recovery Day 14		Species : Rat			
Sex : Male			Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
10402	1	1	1	1	0	0	0	0
10405	1	1	1	1	0	0	0	0
10408	1	1	1	1	0	0	0	0
10410	1	1	1	1	0	0	0	0
10412	1	1	1	1	0	1	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
10402	1	1	1
10405	1	1	1
10408	1	1	1
10410	1	1	1
10412	1	1	1
n	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.

Detailed clinical observation (in the open field)			Stage : Recovery Day 7		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	0	0	0	0
50558	1	1	1	1	0	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	0	0	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	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.

Detailed clinical observation (in the open field)			Stage : Recovery Day 7		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50656	1	1	1	1	0	0	0	0
50657	1	1	1	1	0	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	1	0	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	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.

Detailed clinical observation (in the open field)			Stage : Recovery Day 14		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	0	0	0	0
50558	1	1	1	1	0	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	0	0	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	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.

Detailed clinical observation (in the open field)			Stage : Recovery Day 14		Species : Rat			
Sex : Female (satellite)			Dose : IBMA 120 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50656	1	1	1	1	0	0	0	0
50657	1	1	1	1	0	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	0	0	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	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.

Animal No.	Functional observations (on the desk)			Stage : Week 4			Species : Rat
	Sex : Male			Dose : IBMA 0 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
10103	4	2	1	2	1	1	
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	
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			Dose : IBMA 12 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
10203	4	2	1	2	1	1	
10204	4	2	1	2	1	1	
10210	4	2	1	2	1	1	
10211	4	2	1	2	1	1	
10212	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			Dose : IBMA 40 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
10302	4	2	1	2	1	1	
10303	4	2	1	2	1	1	
10305	4	2	1	2	1	1	
10310	4	2	1	2	1	1	
10312	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			Dose : IBMA 120 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
10402	4	2	1	2	1	1	
10405	4	2	1	2	1	1	
10408	4	2	1	2	1	1	
10410	4	2	1	2	1	1	
10412	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			Dose : IBMA 0 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
50153	4	2	1	2	1	1	
50155	4	2	1	2	1	1	
50159	4	2	1	2	1	1	
50161	4	2	1	2	1	1	
50162	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			Dose : IBMA 12 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
50251	4	2	1	2	1	1	
50254	4	2	1	2	1	1	
50257	4	2	1	2	1	1	
50259	4	2	1	2	1	1	
50260	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
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
50353	4	2	1	2	1	1	
50354	4	2	1	2	1	1	
50356	4	2	1	2	1	1	
50359	4	2	1	2	1	1	
50362	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
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
50451	4	2	1	2	1	1	
50453	4	2	1	2	1	1	
50459	4	2	1	2	1	1	
50460	4	2	1	2	1	1	
50461	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 : Female (satellite)				Dose : IBMA 0 mg/kg		
	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.

Animal No.	Functional observations (on the desk)			Stage : Week 4			Species : Rat
	Sex : Female (satellite)			Dose : IBMA 120 mg/kg			
	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.

Grip strength				Stage : Week 4					Species : Rat
Sex : Male				Dose : IBMA 0 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
10103	1434	1367	1410	1403.7	449	571	407	475.7	
10106	1157	1214	1312	1227.7	439	419	458	438.7	
10109	1168	1247	1214	1209.7	430	427	419	425.3	
10110	1439	1380	1208	1342.3	475	514	446	478.3	
10111	1228	1453	1568	1416.3	443	438	477	452.7	
n	5	5	5	5	5	5	5	5	
Mean	1285.2	1332.2	1342.4	1319.94	447.2	473.8	441.4	454.14	
S.D.	140.7	99.1	150.8	96.78	17.0	66.2	28.5	23.03	

Grip strength				Stage : Week 4					Species : Rat
Sex : Male				Dose : IBMA 12 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
10203	1726	1797	1760	1761.0	436	548	525	503.0	
10204	1106	1164	1112	1127.3	438	432	480	450.0	
10210	1314	1218	1225	1252.3	424	408	403	411.7	
10211	1449	1181	1154	1261.3	486	424	443	451.0	
10212	1645	1288	1481	1471.3	555	525	466	515.3	
n	5	5	5	5	5	5	5	5	
Mean	1448.0	1329.6	1346.4	1374.64	467.8	467.4	463.4	466.20	
S.D.	250.5	265.6	272.0	248.80	54.2	64.2	45.1	42.51	

Grip strength				Stage : Week 4					Species : Rat
Sex : Male				Dose : IBMA 40 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
10302	1206	1300	1397	1301.0	405	538	458	467.0	
10303	1329	1357	1341	1342.3	527	476	475	492.7	
10305	1608	1407	1518	1511.0	481	480	436	465.7	
10310	1114	1247	1291	1217.3	539	519	440	499.3	
10312	1529	1646	1491	1555.3	416	505	479	466.7	
n	5	5	5	5	5	5	5	5	
Mean	1357.2	1391.4	1407.6	1385.38	473.6	503.6	457.6	478.28	
S.D.	209.3	154.5	96.5	143.07	61.7	26.2	19.6	16.35	

	Grip strength			Stage : Week 4					Species : Rat
	Sex : Male			Dose : IBMA 120 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
10402	1329	1116	1151	1198.7	436	403	400	413.0	
10405	1304	1473	1331	1369.3	447	353	491	430.3	
10408	1070	1173	1275	1172.7	324	305	317	315.3	
10410	1345	1377	1456	1392.7	420	437	470	442.3	
10412	1454	1531	1581	1522.0	517	386	465	456.0	
n	5	5	5	5	5	5	5	5	
Mean	1300.4	1334.0	1358.8	1331.08	428.8	376.8	428.6	411.38	
S.D.	141.0	182.6	165.7	145.19	69.3	50.3	71.1	55.99	

Grip strength				Stage : Lactation day 13					Species : Rat
Sex : Female				Dose : IBMA 0 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
50153	1508	1585	1523	1538.7	506	542	560	536.0	
50155	1422	1607	1338	1455.7	499	451	538	496.0	
50159	1404	1497	1750	1550.3	456	506	560	507.3	
50161	1588	1216	1447	1417.0	406	421	449	425.3	
50162	1480	1359	1224	1354.3	475	413	447	445.0	
n	5	5	5	5	5	5	5	5	
Mean	1480.4	1452.8	1456.4	1463.20	468.4	466.6	510.8	481.92	
S.D.	73.5	164.4	199.2	82.67	40.1	55.8	58.0	45.65	

Grip strength				Stage : Lactation day 13					Species : Rat
Sex : Female				Dose : IBMA 12 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
50251	1542	1459	1448	1483.0	534	501	486	507.0	
50254	1683	1690	1559	1644.0	483	459	449	463.7	
50257	1247	1345	1386	1326.0	404	438	487	443.0	
50259	1333	1335	1397	1355.0	466	517	506	496.3	
50260	1356	1301	1444	1367.0	481	433	425	446.3	
n	5	5	5	5	5	5	5	5	
Mean	1432.2	1426.0	1446.8	1435.00	473.6	469.6	470.6	471.26	
S.D.	176.7	159.1	68.5	131.23	46.6	37.7	32.8	29.08	

Grip strength				Stage : Lactation day 13					Species : Rat
Sex : Female				Dose : IBMA 40 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
50353	1534	1359	1656	1516.3	437	421	431	429.7	
50354	1647	1675	1566	1629.3	617	608	599	608.0	
50356	1452	1782	1865	1699.7	445	546	483	491.3	
50359	1490	1520	1309	1439.7	396	400	445	413.7	
50362	1459	1440	1536	1478.3	446	371	424	413.7	
n	5	5	5	5	5	5	5	5	
Mean	1516.4	1555.2	1586.4	1552.66	468.2	469.2	476.4	471.28	
S.D.	79.9	172.3	201.5	108.52	85.7	102.4	72.2	82.84	

	Grip strength			Stage : Lactation day 13					Species : Rat
	Sex : Female			Dose : IBMA 120 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
50451	1236	1273	1357	1288.7	294	373	307	324.7	
50453	1614	1421	1685	1573.3	359	400	373	377.3	
50459	1694	1892	1750	1778.7	414	399	391	401.3	
50460	1424	1251	1123	1266.0	258	269	271	266.0	
50461	1405	1356	1392	1384.3	355	401	395	383.7	
n	5	5	5	5	5	5	5	5	
Mean	1474.6	1438.6	1461.4	1458.20	336.0	368.4	347.4	350.60	
S.D.	181.6	262.4	256.7	216.28	60.9	56.8	55.4	55.24	

Animal No.	Grip strength			Stage : Week 4					Species : Rat
	Sex : Female (satellite)			Dose : IBMA 0 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
	g	g	g	g	g	g	g	g	
50556	1201	1098	1219	1172.7	329	356	336	340.3	
50557	1098	1032	985	1038.3	333	387	363	361.0	
50558	1037	950	1038	1008.3	457	486	471	471.3	
50559	1179	1279	1278	1245.3	397	496	457	450.0	
50560	1077	1246	1200	1174.3	435	428	410	424.3	
n	5	5	5	5	5	5	5	5	
Mean	1118.4	1121.0	1144.0	1127.78	390.2	430.6	407.4	409.38	
S.D.	69.4	139.9	125.7	100.34	58.2	60.9	58.3	56.61	

Grip strength				Stage : Week 4				Species : Rat
Sex : Female (satellite)				Dose : IBMA 120 mg/kg				
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	
Animal No.	g	g	g	g	g	g	g	g
50656	1231	1096	1156	1161.0	362	354	332	349.3
50657	986	825	950	920.3	368	446	365	393.0
50658	1065	1129	1076	1090.0	326	295	396	339.0
50659	1243	1291	1395	1309.7	429	363	460	417.3
50660	1170	1310	1121	1200.3	369	440	421	410.0
n	5	5	5	5	5	5	5	5
Mean	1139.0	1130.2	1139.6	1136.26	370.8	379.6	394.8	381.72
S.D.	110.8	195.3	162.7	144.55	37.0	63.5	49.4	35.60

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Male				Dose : IBMA 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.	
10103	378	256	96	54	2	3	789	
10106	553	265	149	170	42	108	1287	
10109	319	126	8	0	0	0	453	
10110	365	170	137	33	0	0	705	
10111	722	381	326	173	20	0	1622	
n	5	5	5	5	5	5	5	
Mean	467.4	239.6	143.2	86.0	12.8	22.2	971.2	
S.D.	167.8	98.3	116.2	80.4	18.4	48.0	473.2	

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Male				Dose : IBMA 12 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.	
10203	313	256	163	169	25	81	1007	
10204	310	228	32	0	0	4	574	
10210	246	206	240	53	153	49	947	
10211	374	272	236	126	14	227	1249	
10212	533	209	127	68	1	3	941	
n	5	5	5	5	5	5	5	
Mean	355.2	234.2	159.6	83.2	38.6	72.8	943.6	
S.D.	109.2	29.0	86.1	65.7	64.8	92.2	241.8	

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Male				Dose : IBMA 40 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.	
10302	276	122	22	139	159	0	718	
10303	236	174	40	9	3	1	463	
10305	332	200	69	0	0	0	601	
10310	442	417	45	9	0	4	917	
10312	237	98	0	0	0	0	335	
n	5	5	5	5	5	5	5	
Mean	304.6	202.2	35.2	31.4	32.4	1.0	606.8	
S.D.	86.2	126.7	25.9	60.3	70.8	1.7	225.4	

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Male				Dose : IBMA 120 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.	
10402	236	90	0	3	0	0	329	
10405	173	113	68	7	36	29	426	
10408	445	81	4	2	4	0	536	
10410	442	257	75	173	23	0	970	
10412	531	186	141	80	83	3	1024	
n	5	5	5	5	5	5	5	
Mean	365.4	145.4	57.6	53.0	29.2	6.4	657.0	
S.D.	152.8	74.8	58.2	74.7	33.4	12.7	319.5	

Motor activity measurements				Stage : Lactation day 13				Species : Rat
Sex : Female				Dose : IBMA 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.	
50153	650	364	254	136	113	52	1569	
50155	374	77	62	6	3	20	542	
50159	387	15	108	0	0	0	510	
50161	356	108	275	13	0	116	868	
50162	578	191	136	61	34	40	1040	
n	5	5	5	5	5	5	5	
Mean	469.0	151.0	167.0	43.2	30.0	45.6	905.8	
S.D.	135.2	134.9	93.1	57.2	48.6	44.1	432.5	

Motor activity measurements				Stage : Lactation day 13				Species : Rat
Sex : Female				Dose : IBMA 12 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.	
50251	992	241	139	3	14	1	1390	
50254	605	168	164	6	0	1	944	
50257	393	275	177	27	7	0	879	
50259	376	204	16	115	136	10	857	
50260	537	384	248	295	500	42	2006	
n	5	5	5	5	5	5	5	
Mean	580.6	254.4	148.8	89.2	131.4	10.8	1215.2	
S.D.	249.4	82.8	84.6	123.7	213.5	17.9	492.6	

Motor activity measurements				Stage : Lactation day 13				Species : Rat
Sex : Female				Dose : IBMA 40 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	513	348	0	0	6	0	867	
50354	490	190	193	99	51	65	1088	
50356	773	643	590	544	428	575	3553	
50359	421	108	132	122	0	0	783	
50362	323	246	0	3	60	221	853	
n	5	5	5	5	5	5	5	
Mean	504.0	307.0	183.0	153.6	109.0	172.2	1428.8	
S.D.	167.5	207.1	242.6	225.1	180.3	242.6	1193.0	

Motor activity measurements				Stage : Lactation day 13				Species : Rat
Sex : Female				Dose : IBMA 120 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.	
50451	459	158	0	90	0	0	707	
50453	348	13	0	61	74	40	536	
50459	397	159	0	7	43	24	630	
50460	180	24	0	34	18	0	256	
50461	344	159	49	5	0	0	557	
n	5	5	5	5	5	5	5	
Mean	345.6	102.6	9.8	39.4	27.0	12.8	537.2	
S.D.	103.6	76.9	21.9	36.4	31.6	18.4	171.0	

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Female (satellite)				Dose : IBMA 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.	
50556	274	98	114	16	47	5	554	
50557	441	223	235	158	8	0	1065	
50558	410	247	135	103	26	70	991	
50559	762	672	260	314	116	163	2287	
50560	914	503	451	291	379	193	2731	
n	5	5	5	5	5	5	5	
Mean	560.2	348.6	239.0	176.4	115.2	86.2	1525.6	
S.D.	266.7	233.1	134.0	126.0	153.0	88.9	932.0	

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Female (satellite)				Dose : IBMA 120 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.	
50656	543	436	295	194	14	41	1523	
50657	517	408	373	395	418	274	2385	
50658	373	156	0	0	0	0	529	
50659	639	534	548	309	272	141	2443	
50660	484	405	212	104	149	174	1528	
n	5	5	5	5	5	5	5	
Mean	511.2	387.8	285.6	200.4	170.6	126.0	1681.6	
S.D.	96.5	139.8	202.2	157.4	177.2	109.0	782.9	

Animal No.	Body weight Sex : Male /Day							Body weight gain	Unit : g	Species : Rat
	1	4	7	14	21	28				
10101	424	440	444	483	508	540	116			
10102	403	416	427	448	458	475	72			
10103	396	407	420	451	470	484	88			
10104	373	382	389	397	421	436	63			
10105	446	461	481	507	530	556	110			
10106	419	437	448	480	503	513	94			
10107	384	397	408	429	447	466	82			
10108	396	403	415	445	462	478	82			
10109	418	428	436	450	464	473	55			
10110	415	428	438	461	471	480	65			
10111	424	436	442	469	483	496	72			
10112	446	456	474	503	527	550	104			
n	12	12	12	12	12	12	12			
Mean	412.0	424.3	435.2	460.3	478.7	495.6	83.6			
S.D.	22.5	23.9	26.1	31.0	32.8	36.8	19.4			

	Body weight			Period : Administration Day 1-28					
	Sex : Male			Dose : IBMA 12 mg/kg				Unit : g	Species : Rat
	/Day							Body weight	
Animal No.	1	4	7	14	21	28	gain		
10201	433	438	445	467	494	516	83		
10202	395	400	413	429	439	459	64		
10203	417	426	437	462	486	488	71		
10204	427	445	454	487	510	539	112		
10205	438	462	472	501	532	565	127		
10206	404	415	421	449	463	477	73		
10207	470	495	509	537	553	575	105		
10208	373	380	385	404	415	437	64		
10209	374	386	394	411	430	448	74		
10210	394	403	414	436	455	470	76		
10211	423	433	446	471	481	503	80		
10212	421	428	439	459	466	484	63		
n	12	12	12	12	12	12	12		
Mean	414.1	425.9	435.8	459.4	477.0	496.8	82.7		
S.D.	27.8	32.6	34.0	37.8	41.1	44.4	20.8		

Animal No.	Body weight Sex : Male /Day							Body weight gain	Unit : g	Species : Rat
	1	4	7	14	21	28				
10301	429	438	450	460	470	485	56			
10302	416	423	428	438	462	463	47			
10303	392	409	420	438	456	467	75			
10304	381	389	395	407	415	430	49			
10305	415	423	435	460	471	486	71			
10306	469	479	493	516	522	538	69			
10307	356	365	373	391	395	410	54			
10308	426	440	445	467	488	511	85			
10309	446	461	469	486	503	524	78			
10310	418	430	440	454	462	471	53			
10311	401	404	407	419	431	442	41			
10312	405	417	424	436	456	477	72			
n	12	12	12	12	12	12	12			
Mean	412.8	423.2	431.6	447.7	460.9	475.3	62.5			
S.D.	29.6	30.5	32.1	34.2	35.4	37.5	14.1			

Animal No.	Body weight Sex : Male /Day							Body weight gain	Unit : g	Species : Rat
	1	4	7	14	21	28				
10401	391	389	392	393	397	415		24		
10402	423	420	436	445	466	484		61		
10403	431	434	438	463	492	513		82		
10404	392	387	390	389	394	405		13		
10405	404	404	412	428	438	454		50		
10406	451	446	452	466	474	476		25		
10407	391	390	396	405	414	429		38		
10408	393	394	401	415	423	426		33		
10409	370	376	386	392	400	417		47		
10410	406	412	422	439	454	475		69		
10411	440	441	453	480	501	521		81		
10412	464	448	454	462	456	472		8		
n	12	12	12	12	12	12		12		
Mean	413.0	411.8	419.3	431.4	442.4	457.3		44.3		
S.D.	28.6	25.5	26.4	32.4	37.1	39.0		25.1		

	Body weight Sex : Female				Period : Administration Day 1-14 Dose : IBMA 0 mg/kg		Unit : g	Species : Rat
Animal No.	/Day				Body weight gain			
	1	4	7	14				
50151	261	271	283	292	31			
50152	253	261	267	272	19			
50153	279	284	282	303	24			
50154	270	276	282	297	27			
50155	253	255	251	268	15			
50156	250	258	265	271	21			
50157	265	265	274	285	20			
50158	249	259	266	270	21			
50159	283	283	284	302	19			
50160	261	271	276	279	18			
50161	240	243	245	256	16			
50162	289	294	294	311	22			
n	12	12	12	12	12			
Mean	262.8	268.3	272.4	283.8	21.1			
S.D.	15.0	14.4	14.3	17.1	4.5			

	Body weight Sex : Female				Period : Administration Day 1-14 Dose : IBMA 12 mg/kg		Unit : g	Species : Rat
Animal No.	/Day	Body weight						
	1	4	7	14	gain			
50251	273	277	275	285	12			
50252	274	281	282	285	11			
50253	266	280	289	297	31			
50254	254	261	269	276	22			
50255	269	282	290	297	28			
50256	264	271	275	277	13			
50257	250	247	250	257	7			
50258	249	263	266	274	25			
50259	263	260	263	273	10			
50260	259	257	253	272	13			
50261	279	292	300	301	22			
50262	232	244	248	256	24			
n	12	12	12	12	12			
Mean	261.0	267.9	271.7	279.2	18.2			
S.D.	13.1	14.9	16.7	14.6	8.0			

Animal No.	Body weight Sex : Female /Day				Period : Administration Day 1-14 Dose : IBMA 40 mg/kg Body weight gain		Unit : g	Species : Rat
	1	4	7	14				
50351	239	250	252	257	18			
50352	271	275	278	286	15			
50353	254	252	263	267	13			
50354	274	275	276	288	14			
50355	276	267	279	284	8			
50356	257	262	260	263	6			
50357	278	291	304	312	34			
50358	257	256	256	272	15			
50359	269	271	265	275	6			
50360	260	263	265	264	4			
50361	241	255	262	261	20			
50362	285	285	285	300	15			
n	12	12	12	12	12			
Mean	263.4	266.8	270.4	277.4	14.0			
S.D.	14.5	13.0	14.6	16.9	8.1			

	Body weight Sex : Female				Period : Administration Day 1-14 Dose : IBMA 120 mg/kg		Unit : g	Species : Rat
Animal No.	/Day	Body weight				gain		
	1	4	7	14				
50451	265	258	268	274	9			
50452	254	242	251	259	5			
50453	267	264	263	267	0			
50454	258	249	255	259	1			
50455	275	270	268	280	5			
50456	275	277	284	290	15			
50457	254	253	254	263	9			
50458	248	244	246	240	-8			
50459	281	277	286	286	5			
50460	251	252	257	270	19			
50461	241	235	232	237	-4			
50462	286	278	284	299	13			
n	12	12	12	12	12			
Mean	262.9	258.3	262.3	268.7	5.8			
S.D.	14.1	14.8	16.6	18.8	7.8			

	Body weight		Period : Gestation Day 0-20				
	Sex : Female		Dose : IBMA 0 mg/kg			Unit : g	Species : Rat
	/Day		Body weight				
Animal No.	0	7	14	20	gain		
50151	331	360	397	486	155		
50152	284	328	368	465	181		
50153	306	347	396	503	197		
50154	314	354	410	501	187		
50155	275	300	337	426	151		
50156	279	322	366	446	167		
50157	288	328	366	456	168		
50158	279	315	362	465	186		
50159	302	338	381	488	186		
50160	293	326	379	485	192		
50161	259	297	336	409	150		
50162	312	356	404	515	203		
n	12	12	12	12	12		
Mean	293.5	330.9	375.2	470.4	176.9		
S.D.	20.2	20.9	24.1	32.1	18.2		

	Body weight Sex : Female				Period : Gestation Day 0-20 Dose : IBMA 12 mg/kg		Unit : g	Species : Rat
Animal No.	/Day				Body weight gain			
	0	7	14	20				
50251	284	307	332	407	123			
50252	298	333	366	451	153			
50253	296	334	369	460	164			
50254	285	307	348	444	159			
50255	308	338	374	479	171			
50256	314	338	370	453	139			
50257	257	303	343	446	189			
50258	275	310	338	419	144			
50259	273	298	317	383	110			
50260	273	311	352	437	164			
50261	309	354	395	496	187			
50262	259	299	333	419	160			
n	12	12	12	12	12			
Mean	285.9	319.3	353.1	441.2	155.3			
S.D.	19.2	18.8	22.2	31.1	23.5			

	Body weight		Period : Gestation Day 0-20				
	Sex : Female		Dose : IBMA 40 mg/kg			Unit : g	Species : Rat
	/Day	Body weight					
Animal No.	0	7	14	20	gain		
50351	261	294	332	423	162		
50352	294	320	357	446	152		
50353	276	305	345	436	160		
50354	286	323	364	455	169		
50355	287	322	363	451	164		
50356	265	312	351	434	169		
50357	308	347	374	438	130		
50358	275	297	340	443	168		
50359	275	314	357	443	168		
50360	275	308	344	426	151		
50361	264	313	347	433	169		
50362	304	336	381	466	162		
n	12	12	12	12	12		
Mean	280.8	315.9	354.6	441.2	160.3		
S.D.	15.3	15.1	14.3	12.2	11.4		

	Body weight Sex : Female				Period : Gestation Day 0-20 Dose : IBMA 120 mg/kg		Unit : g	Species : Rat
Animal No.	/Day				Body weight gain			
50451	0	7	14	20				
	284	305	325	354	70			
50452	262 \$	300 \$	321 \$	306 \$	44 \$			
50453	270	295	341	414	144			
50454	269	296	330	402	133			
50455	284	314	351	432	148			
50456	286 \$	317 \$	336 \$	326 \$	40 \$			
50457	262 \$	291 \$	299 \$	288 \$	26 \$			
50458	252 \$	268 \$	278 \$	277 \$	25 \$			
50459	293	326	356	406	113			
50460	276	312	338	395	119			
50461	241	270	309	393	152			
50462	303	324	356	428	125			
n	8	8	8	8	8			
Mean	277.5	305.3	338.3	403.0	125.5			
S.D.	18.7	18.3	16.5	24.4	26.4			

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

	Body weight	Period : Lactation Day 0-13					
	Sex : Female	Dose : IBMA 0 mg/kg				Unit : g	Species : Rat
	/Day	Body weight					
Animal No.	0	4	7	13	gain		
50151	365	411	408	420	55		
50152	307	360	375	382	75		
50153	389	417	412	410	21		
50154	415	413	417	421	6		
50155	320	343	337	351	31		
50156	364	345	352	380	16		
50157	369	379	376	377	8		
50158	353	355	366	376	23		
50159	365	377	366	404	39		
50160	333	371	376	393	60		
50161	343	376	360	363	20		
50162	386	390	397	424	38		
n	12	12	12	12	12		
Mean	359.1	378.1	378.5	391.8	32.7		
S.D.	30.4	25.6	25.1	24.1	21.5		

Animal No.	Body weight Sex : Female /Day				Period : Lactation Day 0-13 Dose : IBMA 12 mg/kg Body weight gain		Unit : g	Species : Rat
	0	4	7	13				
50251	323	348	354	358	35			
50252	345	373	383	395	50			
50253	348	378	364	380	32			
50254	330	370	383	399	69			
50255	383	362	371	379	-4			
50256	341	359	355	360	19			
50257	331	353	366	388	57			
50258	329	337	337	344	15			
50259	321	338	348	352	31			
50260	350	373	380	387	37			
50261	380	407	415	421	41			
50262	303	311	320	339	36			
n	12	12	12	12	12			
Mean	340.3	359.1	364.7	375.2	34.8			
S.D.	23.3	24.4	24.7	24.8	19.3			

	Body weight	Period : Lactation Day 0-13					
	Sex : Female	Dose : IBMA 40 mg/kg				Unit : g	Species : Rat
	/Day	Body weight					
Animal No.	0	4	7	13	gain		
50351	337	355	363	373	36		
50352	342	357	372	375	33		
50353	348	371	367	385	37		
50354	350	368	363	381	31		
50355	285	318	346	381	96		
50356	359	385	392	387	28		
50357	369	371	373	375	6		
50358	312	334	358	363	51		
50359	320	355	359	363	43		
50360	328	326	335	360	32		
50361	321	348	362	371	50		
50362	351	382	379	392	41		
n	12	12	12	12	12		
Mean	335.2	355.8	364.1	375.5	40.3		
S.D.	23.2	21.3	14.8	10.2	21.1		

	Body weight	Period : Lactation Day 0-13					
	Sex : Female	Dose : IBMA 120 mg/kg				Unit : g	Species : Rat
	/Day	Body weight					
Animal No.	0	4	7	13	gain		
50451	326	318	329	351	25		
50453	339	343	345	344	5		
50454	300	291 \$	297 \$	289 \$	-11 \$		
50455	280	...	...	...	...		
50459	310	323	348	360	50		
50460	329	335	336	356	27		
50461	309	295	313	348	39		
50462	328	327 \$	342 \$	346 \$	18 \$		
n	8	5	5	5	5		
Mean	315.1	322.8	334.2	351.8	29.2		
S.D.	19.2	18.4	14.0	6.3	16.9		

Animal No. 50455 : Whole litter loss by lactation day 1 and euthanized due to a moribund condition on lactation day 1 (final weight 259 g)

\$: Excepted data from calculation (whole litter loss)

... : Blank

Animal No.	Body weight Sex : Female (satellite) Period : Administration Day 1-28 Dose : IBMA 0 mg/kg /Day							Body weight gain	Unit : g	Species : Rat
	1	4	7	14	21	28				
50551	266	266	263	278	293	299		33		
50552	291	292	293	308	321	327		36		
50553	258	263	273	284	291	297		39		
50554	254	260	259	265	270	276		22		
50555	256	276	275	289	303	305		49		
50556	261	275	273	273	288	293		32		
50557	255	269	280	276	293	305		50		
50558	272	274	283	285	296	304		32		
50559	248	255	261	262	274	292		44		
50560	277	288	289	306	320	324		47		
n	10	10	10	10	10	10		10		
Mean	263.8	271.8	274.9	282.6	294.9	302.2		38.4		
S.D.	13.0	11.8	11.6	15.4	16.7	15.0		9.1		

	Body weight			Period : Administration Day 1-28					
	Sex : Female (satellite)			Dose : IBMA 120 mg/kg				Unit : g	Species : Rat
Animal No.	/Day						Body weight		
	1	4	7	14	21	28	gain		
50651	261	267	281	282	265	267	6		
50652	285	280	284	291	291	292	7		
50653	272	267	265	273	275	275	3		
50654	274	269	275	287	295	294	20		
50655	270	267	271	271	275	271	1		
50656	249	245	243	256	264	271	22		
50657	258	254	265	286	294	300	42		
50658	248	247	250	246	252	253	5		
50659	245	245	254	262	254	272	27		
50660	274	260	260	258	269	273	-1		
n	10	10	10	10	10	10	10		
Mean	263.6	260.1	264.8	271.2	273.4	276.8	13.2		
S.D.	13.4	11.9	13.4	15.3	15.7	14.3	14.0		

	Body weight Sex : Male			Period : Recovery Day 1-14 Dose : IBMA 0 mg/kg		Unit : g	Species : Rat
Animal No.	/Day			Body weight			
	1	7	14	gain			
10103	486	493	501	15			
10106	516	530	549	33			
10109	470	488	500	30			
10110	481	498	501	20			
10111	499	516	531	32			
n	5	5	5	5			
Mean	490.4	505.0	516.4	26.0			
S.D.	17.7	17.5	22.5	8.0			

	Body weight			Period : Recovery Day 1-14			
	Sex : Male			Dose : IBMA 120 mg/kg		Unit : g	Species : Rat
Animal No.	/Day			Body weight			
	1	7	14	gain			
10402	482	504	525	43			
10405	447	480	504	57			
10408	425	448	467	42			
10410	477	508	533	56			
10412	465	494	518	53			
n	5	5	5	5			
Mean	459.2	486.8	509.4	50.2			
S.D.	23.4	24.2	26.0	7.2			

	Body weight Sex : Female (satellite)			Period : Recovery Day 1-14 Dose : IBMA 0 mg/kg	Unit : g	Species : Rat
Animal No.	/Day	Body weight				
	1	7	14	gain		
50556	293	310	308	15		
50557	306	325	335	29		
50558	303	310	317	14		
50559	284	297	304	20		
50560	321	332	351	30		
n	5	5	5	5		
Mean	301.4	314.8	323.0	21.6		
S.D.	14.0	13.8	19.7	7.6		

	Body weight Sex : Female (satellite)			Period : Recovery Day 1-14 Dose : IBMA 120 mg/kg	Unit : g	Species : Rat
Animal No.	/Day	Body weight gain				
	1	7	14			
50656	268	285	296	28		
50657	299	312	316	17		
50658	252	266	273	21		
50659	266	281	295	29		
50660	271	299	309	38		
n	5	5	5	5		
Mean	271.2	288.6	297.8	26.6		
S.D.	17.2	17.6	16.5	8.1		

Food consumption		Period : Administration Day 1-28				Unit : g	Species : Rat
Sex : Male		Dose : IBMA 0 mg/kg					
Animal No.	/Day						
	4	7	14	28			
10101	24.6	22.9	25.3	...			
10102	23.7	21.6	21.6	18.6			
10103	23.9	23.6	23.3	21.3			
10104	23.0	22.2	20.1	21.0			
10105	28.4	26.6	25.7	24.3			
10106	28.0	26.5	26.0	22.4			
10107	24.8	22.5	22.5	21.3			
10108	21.9	21.1	21.2	20.3			
10109	26.3	23.2	21.9	21.7			
10110	24.5	23.2	23.5	22.0			
10111	26.7	24.8	25.1	22.0			
10112	24.1	23.3	24.1	23.1			
n	12	12	12	11			
Mean	24.99	23.46	23.36	21.64			
S.D.	1.98	1.73	1.93	1.47			

∴ : During mating

	Food consumption		Period : Administration Day 1-28			
	Sex : Male		Dose : IBMA 12 mg/kg		Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14	28		
10201	26.3	25.2	26.6	27.0		
10202	19.9	20.2	19.9	20.3		
10203	22.8	22.2	21.9	20.6		
10204	25.0	23.5	24.7	23.6		
10205	26.7	24.1	25.4	26.3		
10206	23.9	23.4	24.1	∴		
10207	32.3	28.7	28.9	26.5		
10208	19.7	19.4	19.8	20.1		
10209	22.6	21.0	21.6	20.6		
10210	23.4	24.1	23.6	21.4		
10211	27.8	26.3	26.9	26.1		
10212	24.7	23.6	23.3	23.1		
n	12	12	12	11		
Mean	24.59	23.48	23.89	23.24		
S.D.	3.47	2.60	2.81	2.80		

∴ : During mating

	Food consumption		Period : Administration Day 1-28			
	Sex : Male		Dose : IBMA 40 mg/kg		Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14	28		
10301	22.3	23.2	21.3	20.9		
10302	26.1	24.1	23.8	22.2		
10303	22.5	20.8	20.1	19.9		
10304	22.3	22.0	20.8	21.7		
10305	22.5	21.7	22.0	20.8		
10306	26.7	26.7	24.9	24.5		
10307	20.1	20.3	19.8	18.7		
10308	24.6	24.8	24.7	26.4		
10309	28.9	27.1	26.7	27.4		
10310	22.4	22.1	23.3	21.5		
10311	20.0	19.4	19.8	20.0		
10312	23.9	21.9	21.4	22.1		
n	12	12	12	12		
Mean	23.53	22.84	22.38	22.18		
S.D.	2.65	2.42	2.27	2.64		

	Food consumption		Period : Administration Day 1-28			
	Sex : Male		Dose : IBMA 120 mg/kg		Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14	28		
10401	19.8	19.6	21.4	24.9		
10402	18.8	22.4	22.1	24.4		
10403	20.9	20.8	24.0	22.4		
10404	18.3	17.8	18.1	21.2		
10405	18.4	18.5	20.0	20.7		
10406	20.3	22.4	23.7	22.8		
10407	15.8	19.4	21.1	23.1		
10408	18.5	18.7	21.4	21.5		
10409	18.1	18.9	20.2	21.4		
10410	22.0	22.1	24.7	26.4		
10411	20.8	23.7	26.3	28.1		
10412	17.9	21.0	22.8	21.8		
n	12	12	12	12		
Mean	19.13	20.44	22.15	23.23		
S.D.	1.69	1.89	2.28	2.29		

	Food consumption			Period : Administration Day 1-14		
	Sex : Female			Dose : IBMA 0 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14			
50151	21.3	20.2	19.6			
50152	17.4	16.2	16.2			
50153	19.9	18.9	21.3			
50154	21.1	18.5	21.0			
50155	16.1	15.9	16.2			
50156	19.2	17.7	17.3			
50157	17.4	17.8	17.6			
50158	17.5	15.5	15.7			
50159	19.0	18.3	20.1			
50160	17.8	16.5	17.6			
50161	16.6	18.2	18.2			
50162	21.7	20.2	21.8			
n	12	12	12			
Mean	18.75	17.83	18.55			
S.D.	1.91	1.56	2.14			

	Food consumption			Period : Administration Day 1-14		
	Sex : Female			Dose : IBMA 12 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14			
50251	17.8	17.1	17.5			
50252	18.0	17.9	18.5			
50253	19.4	17.9	17.7			
50254	17.1	16.8	16.9			
50255	21.6	19.9	19.6			
50256	19.9	18.2	19.9			
50257	17.0	17.0	17.4			
50258	18.7	16.8	16.8			
50259	15.8	16.9	17.3			
50260	16.5	17.0	18.7			
50261	22.6	21.9	19.6			
50262	18.1	15.4	17.2			
n	12	12	12			
Mean	18.54	17.73	18.09			
S.D.	2.04	1.70	1.12			

	Food consumption			Period : Administration Day 1-14		
	Sex : Female			Dose : IBMA 40 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14			
50351	16.5	14.2	15.3			
50352	17.6	16.7	17.2			
50353	16.5	18.4	16.6			
50354	16.7	17.5	19.0			
50355	17.0	19.0	16.5			
50356	16.2	17.5	17.7			
50357	20.3	19.6	18.8			
50358	16.7	18.1	19.6			
50359	15.6	14.1	15.5			
50360	16.8	16.3	17.2			
50361	18.4	16.1	15.9			
50362	18.4	18.6	19.3			
n	12	12	12			
Mean	17.23	17.18	17.38			
S.D.	1.28	1.76	1.50			

	Food consumption			Period : Administration Day 1-14		
	Sex : Female			Dose : IBMA 120 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14			
50451	10.2	14.3	16.2			
50452	8.8	16.4	17.4			
50453	12.9	15.7	17.3			
50454	13.3	14.2	17.0			
50455	12.3	14.1	18.5			
50456	15.6	16.1	18.1			
50457	10.1	12.6	16.4			
50458	11.1	13.5	14.5			
50459	13.3	15.6	17.6			
50460	9.9	13.2	17.7			
50461	13.4	12.7	15.2			
50462	13.0	14.5	19.4			
n	12	12	12			
Mean	11.99	14.41	17.11			
S.D.	1.97	1.30	1.37			

	Food consumption			Period : Gestation Day 0-20		
	Sex : Female			Dose : IBMA 0 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	7	14	20			
50151	22.4	23.8	24.5			
50152	22.6	24.6	25.3			
50153	25.0	28.2	27.3			
50154	28.7	32.9	28.7			
50155	21.8	21.5	21.9			
50156	24.0	25.5	24.1			
50157	23.2	26.4	25.6			
50158	20.6	23.7	26.8			
50159	23.5	24.9	27.9			
50160	21.6	26.9	28.0			
50161	22.4	25.5	26.0			
50162	24.9	27.8	29.5			
n	12	12	12			
Mean	23.39	25.98	26.30			
S.D.	2.12	2.87	2.17			

	Food consumption			Period : Gestation Day 0-20		
	Sex : Female			Dose : IBMA 12 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	7	14	20			
50251	18.1	17.6	18.5			
50252	22.3	23.7	22.9			
50253	22.8	25.1	27.1			
50254	19.3	21.9	24.4			
50255	24.8	28.5	28.4			
50256	21.1	23.0	22.2			
50257	22.7	24.2	24.9			
50258	22.5	22.7	21.1			
50259	18.6	20.3	21.4			
50260	23.1	27.8	27.7			
50261	25.4	27.0	26.6			
50262	22.7	22.7	22.0			
n	12	12	12			
Mean	21.95	23.71	23.93			
S.D.	2.28	3.13	3.08			

	Food consumption			Period : Gestation Day 0-20		
	Sex : Female			Dose : IBMA 40 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	7	14	20			
50351	21.6	25.1	24.3			
50352	20.6	22.6	24.3			
50353	23.2	25.8	25.7			
50354	22.5	25.7	26.6			
50355	23.2	26.8	25.1			
50356	26.0	27.1	28.1			
50357	20.8	22.8	21.0			
50358	20.9	24.2	25.6			
50359	20.8	24.3	22.5			
50360	20.0	22.2	22.1			
50361	24.1	24.5	22.9			
50362	22.3	26.7	25.2			
n	12	12	12			
Mean	22.17	24.82	24.45			
S.D.	1.75	1.68	2.03			

	Food consumption			Period : Gestation Day 0-20		
	Sex : Female			Dose : IBMA 120 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	7	14	20			
50451	18.5	18.4	17.4			
50452	23.6 \$	28.5 \$	18.0 \$			
50453	20.6	23.9	24.6			
50454	22.0	24.0	22.8			
50455	20.7	23.7	22.5			
50456	20.2 \$	22.1 \$	19.3 \$			
50457	19.1 \$	18.9 \$	14.7 \$			
50458	17.3 \$	17.6 \$	15.1 \$			
50459	21.9	23.2	22.6			
50460	22.0	24.1	23.1			
50461	20.1	23.3	22.0			
50462	21.2	24.2	22.4			
n	8	8	8			
Mean	20.88	23.10	22.18			
S.D.	1.20	1.93	2.08			
\$: Excepted data from calculation (non-pregnancy)						

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

	Food consumption			Period : Lactation Day 0-13		
	Sex : Female			Dose : IBMA 0 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	13			
50151	40.2	47.1	60.0			
50152	34.6	44.3	60.6			
50153	38.1	41.1	54.5			
50154	30.7	45.3	57.3			
50155	27.6	38.9	51.3			
50156	24.6	35.9	55.8			
50157	32.5	40.3	50.9			
50158	33.8	46.8	60.2			
50159	33.0	39.9	58.2			
50160	31.5	45.8	57.4			
50161	39.6	∴	62.5			
50162	34.2	43.4	65.3			
n	12	11	12			
Mean	33.37	42.62	57.83			
S.D.	4.59	3.64	4.29			

::: : Data not obtained due to an operational error

	Food consumption			Period : Lactation Day 0-13		
	Sex : Female			Dose : IBMA 12 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	13			
50251	24.8	30.0	44.4			
50252	32.8	43.6	54.9			
50253	33.6	41.9	56.8			
50254	37.2	52.0	63.6			
50255	25.8	41.9	51.0			
50256	28.8	37.5	51.0			
50257	34.2	42.8	57.7			
50258	26.6	38.7	51.9			
50259	29.0	40.5	55.5			
50260	35.9	46.0	58.3			
50261	38.1	49.7	59.7			
50262	29.7	42.3	54.0			
n	12	12	12			
Mean	31.38	42.24	54.90			
S.D.	4.54	5.68	4.98			

	Food consumption			Period : Lactation Day 0-13		
	Sex : Female			Dose : IBMA 40 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	13			
50351	27.6	44.0	57.2			
50352	25.0	38.7	51.4			
50353	33.7	42.6	57.3			
50354	31.3	41.1	53.3			
50355	15.0	30.8	34.8			
50356	37.5	50.1	58.3			
50357	32.8	40.6	50.5			
50358	32.2	44.6	58.6			
50359	27.6	41.0	53.1			
50360	32.5	42.3	54.9			
50361	30.1	45.3	55.3			
50362	31.3	41.4	54.7			
n	12	12	12			
Mean	29.72	41.88	53.28			
S.D.	5.66	4.55	6.37			

Animal No.	Food consumption Sex : Female /Day			Period : Lactation Day 0-13 Dose : IBMA 120 mg/kg	Unit : g	Species : Rat
	4	7	13			
50451	19.2	30.7	41.8			
50453	20.0	27.0	26.9			
50454	12.2 \$	18.5 \$	16.8 \$			
50455	...	...	...			
50459	18.5	28.3	30.2			
50460	24.1	34.3	44.5			
50461	19.2	28.6	38.0			
50462	15.4 \$	23.4 \$	20.1 \$			
n	5	5	5			
Mean	20.20	29.78	36.28			
S.D.	2.24	2.85	7.52			

Animal No. 50455 : Whole litter loss by lactation day 1 and euthanized due to a moribund condition on lactation day 1

\$: Excepted data from calculation (whole litter loss)

... : Blank

Animal No.	Food consumption Sex : Female (satellite) /Day					Unit : g	Species : Rat
	4	7	14	21	28		
50551	14.9	16.1	17.1	16.2	15.9		
50552	18.3	20.0	19.9	18.9	18.4		
50553	18.0	17.8	17.3	16.9	16.6		
50554	17.1	17.9	17.5	16.3	15.1		
50555	20.2	18.7	20.7	19.6	19.5		
50556	18.8	16.2	16.9	16.9	16.1		
50557	19.8	18.4	16.1	17.1	17.0		
50558	18.4	18.7	16.3	17.6	15.6		
50559	17.4	16.7	18.3	18.4	18.4		
50560	21.1	21.5	23.1	22.5	20.5		
n	10	10	10	10	10		
Mean	18.40	18.20	18.32	18.04	17.31		
S.D.	1.76	1.69	2.24	1.92	1.80		

Animal No.	Food consumption Sex : Female (satellite) /Day					Unit : g	Species : Rat
	4	7	14	21	28		
50651	17.4	17.9	19.1	13.7	15.3		
50652	15.2	16.0	17.1	15.5	16.9		
50653	12.5	14.2	17.3	16.6	16.6		
50654	15.1	15.0	18.1	18.8	17.9		
50655	13.1	16.2	15.5	16.0	17.3		
50656	12.8	11.3	15.7	16.6	17.4		
50657	15.5	17.2	20.6	21.1	18.4		
50658	11.0	13.0	13.9	15.8	13.5		
50659	12.3	13.8	16.9	17.8	18.3		
50660	11.9	11.6	16.2	17.7	17.3		
n	10	10	10	10	10		
Mean	13.68	14.62	17.04	16.96	16.89		
S.D.	2.01	2.25	1.91	2.03	1.49		

	Food consumption		Period : Recovery Day 1-14		
	Sex : Male		Dose : IBMA 0 mg/kg	Unit : g	Species : Rat
	/Day				
Animal No.	7	14			
10103	26.2	25.2			
10106	28.0	28.9			
10109	26.6	26.4			
10110	26.5	24.9			
10111	27.5	27.7			
n	5	5			
Mean	26.96	26.62			
S.D.	0.76	1.69			

	Food consumption		Period : Recovery Day 1-14		
	Sex : Male		Dose : IBMA 120 mg/kg	Unit : g	Species : Rat
	/Day				
Animal No.	7	14			
10402	33.0	30.8			
10405	30.5	29.8			
10408	28.5	27.2			
10410	36.2	35.4			
10412	32.7	31.8			
n	5	5			
Mean	32.18	31.00			
S.D.	2.89	3.00			

Animal No.	Food consumption Sex : Female (satellite) /Day		Period : Recovery Day 1-14 Dose : IBMA 0 mg/kg	Unit : g	Species : Rat
	7	14			
50556	21.6	21.7			
50557	23.1	23.3			
50558	20.6	21.7			
50559	21.0	22.6			
50560	26.0	27.4			
n	5	5			
Mean	22.46	23.34			
S.D.	2.19	2.37			

Animal No.	Food consumption Sex : Female (satellite) /Day		Period : Recovery Day 1-14 Dose : IBMA 120 mg/kg		Unit : g	Species : Rat
	7	14				
50656	23.3	21.5				
50657	26.1	23.0				
50658	20.6	20.8				
50659	23.6	23.3				
50660	27.3	26.8				
n	5	5				
Mean	24.18	23.08				
S.D.	2.61	2.32				

Urinary findings		Stage : Week 4							Species : Rat
Sex : Male	Dose : IBMA 0 mg/kg								
pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color		
Animal No.	EU/dL								
10103	8.5	±	-	-	0.1	-	-	A	
10106	8.5	±	-	-	0.1	-	-	A	
10109	8.5	+	-	-	0.1	-	-	A	
10110	8.0	+	-	-	0.1	-	-	A	
10111	8.0	2+	-	-	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 : IBMA 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10103	9.0		
10106	12.5		
10109	8.0		
10110	6.5		
10111	9.5		
n	5		
Mean	9.10		
S.D.	2.22		

Urinary findings		Stage : Week 4						Species : Rat
Sex : Male	Dose : IBMA 0 mg/kg							
Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast		
Animal No.								
10103	5	-	-	-	-	-	-	
10106	4	-	-	-	-	-	-	
10109	5	-	-	-	-	-	-	
10110	5	-	-	-	-	-	-	
10111	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		Stage : Week 4							Species : Rat
Sex : Male	Dose : IBMA 12 mg/kg								
	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.	EU/dL								
10203	8.0	+	-	-	0.1	-	-	A	
10204	8.0	+	-	-	0.1	-	-	A	
10210	8.0	±	-	-	0.1	-	-	A	
10211	8.5	+	-	-	0.1	-	-	A	
10212	7.5	+	-	-	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 : IBMA 12 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10203	8.5		
10204	10.5		
10210	12.5		
10211	15.5		
10212	6.5		
n	5		
Mean	10.70		
S.D.	3.49		

Urinary findings		Stage : Week 4						Species : Rat
Sex : Male	Dose : IBMA 12 mg/kg							
Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast		
Animal No.								
10203	5	-	-	-	-	-	-	
10204	5	-	-	-	-	-	-	
10210	4	-	-	-	-	-	-	
10211	4	-	-	-	-	-	-	
10212	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		Stage : Week 4							Species : Rat
Sex : Male	Dose : IBMA 40 mg/kg								
pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color		
Animal No.	EU/dL								
10302	7.0	2+	-	-	0.1	-	-	A	
10303	8.5	+	-	-	0.1	-	-	A	
10305	8.5	+	-	-	0.1	-	±	A	
10310	8.5	±	-	-	0.1	-	-	A	
10312	8.0	2+	-	-	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 : IBMA 40 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10302	5.5		
10303	11.0		
10305	7.0		
10310	16.0		
10312	11.0		
n	5		
Mean	10.10		
S.D.	4.10		

	Urinary findings			Stage : Week 4			
	Sex : Male			Dose : IBMA 40 mg/kg			Species : Rat
	Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast
Animal No.							
10302	5	-	-	-	-	-	-
10303	4	-	-	-	-	-	-
10305	5	-	-	-	-	-	-
10310	4	-	-	-	-	-	-
10312	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		Stage : Week 4							Species : Rat
Sex : Male	Dose : IBMA 120 mg/kg								
pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color		
Animal No.	EU/dL								
10402	7.5	2+	-	-	0.1	-	±	A	
10405	7.5	+	-	-	0.1	-	-	A	
10408	8.5	±	-	-	0.1	-	-	A	
10410	8.5	+	-	-	0.1	-	-	A	
10412	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 : IBMA 120 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10402	10.5		
10405	16.5		
10408	13.0		
10410	25.5		
10412	8.0		
n	5		
Mean	14.70		
S.D.	6.81		

Urinary findings		Stage : Week 4						Species : Rat
Sex : Male	Dose : IBMA 120 mg/kg							
Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast		
Animal No.								
10402	4	-	-	-	-	-	-	
10405	3	-	-	-	-	-	-	
10408	4	-	-	-	-	-	-	
10410	3	-	-	-	-	-	-	
10412	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				Stage : Week 4				Species : Rat	
Sex : Female (satellite)				Dose : IBMA 0 mg/kg					
	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.	EU/dL								
50556	8.0	+	-	-	0.1	-	-	A	
50557	8.5	+	-	-	0.1	-	-	A	
50558	6.5	+	-	-	0.1	-	-	A	
50559	8.5	+	-	-	0.1	-	-	A	
50560	8.0	+	-	-	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 : IBMA 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50556	5.5		
50557	7.5		
50558	12.5		
50559	7.5		
50560	7.5		
n	5		
Mean	8.10		
S.D.	2.61		

Urinary findings				Stage : Week 4				Species : Rat
Sex : Female (satellite)				Dose : IBMA 0 mg/kg				
Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast		
Animal No.								
50556	5	-	-	-	-	-	-	
50557	5	-	-	-	-	-	-	
50558	3	-	-	-	-	-	-	
50559	4	-	-	-	-	-	-	
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				Stage : Week 4					
Sex : Female (satellite)				Dose : IBMA 120 mg/kg				Species : Rat	
	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.	EU/dL								
50656	8.5	+	-	-	0.1	-	-	A	
50657	8.5	±	-	-	0.1	-	-	A	
50658	8.5	+	-	-	0.1	-	-	A	
50659	8.0	+	-	-	0.1	-	-	A	
50660	8.0	+	-	-	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 : IBMA 120 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50656	10.5		
50657	6.5		
50658	11.0		
50659	7.0		
50660	10.5		
n	5		
Mean	9.10		
S.D.	2.16		

Urinary findings		Stage : Week 4						Species : Rat
Sex : Female (satellite)		Dose : IBMA 120 mg/kg						
	Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast	
Animal No.								
50656	4	-	-	-	-	-	-	
50657	5	-	-	±	-	-	-	
50658	3	-	-	-	-	-	-	
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<								

Urinary findings		Stage : Recovery week 2							Species : Rat
Sex : Male	Dose : IBMA 0 mg/kg								
pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color		
Animal No.	EU/dL								
10103	8.5	+	-	-	0.1	-	-	A	
10106	8.5	+	-	-	0.1	-	-	A	
10109	8.5	+	-	-	0.1	-	-	A	
10110	8.5	2+	-	-	0.1	-	-	A	
10111	8.5	2+	-	-	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 : IBMA 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10103	9.5		
10106	12.0		
10109	10.0		
10110	8.0		
10111	24.0		
n	5		
Mean	12.70		
S.D.	6.48		

Urinary findings		Stage : Recovery week 2						Species : Rat
Sex : Male	Dose : IBMA 0 mg/kg							
Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast		
Animal No.								
10103	5	-	-	-	-	-	-	
10106	5	-	-	-	-	-	-	
10109	5	-	-	-	-	-	-	
10110	5	-	-	-	-	-	-	
10111	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		Stage : Recovery week 2							Species : Rat
Sex : Male	Dose : IBMA 120 mg/kg								
pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color		
Animal No.	EU/dL								
10402	8.5	2+	-	-	0.1	-	-	A	
10405	8.5	+	-	-	0.1	-	±	A	
10408	8.5	+	-	-	0.1	-	±	A	
10410	8.5	+	-	-	0.1	-	-	A	
10412	7.5	2+	-	-	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 : IBMA 120 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10402	12.0		
10405	13.0		
10408	9.0		
10410	45.0 \$		
10412	12.5		
n	4		
Mean	11.63		
S.D.	1.80		

\$: Excepted data from calculation due to water leakage from a water container

Urinary findings		Stage : Recovery week 2						Species : Rat
Sex : Male	Dose : IBMA 120 mg/kg							
	Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast	
Animal No.								
10402	4	-	-	-	-	-	-	
10405	5	-	-	-	-	-	-	
10408	5	-	-	-	-	-	-	
10410	3 \$	-	-	-	-	-	-	
10412	5	-	-	-	-	-	-	
n	4	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<								
\$: Excepted data from calculation due to water leakage from a water container								

Urinary findings					Stage : Recovery week 2				Species : Rat
Sex : Female (satellite)					Dose : IBMA 0 mg/kg				
	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.	EU/dL								
50556	8.5	+	-	-	0.1	-	-	A	
50557	8.5	±	-	-	0.1	-	-	A	
50558	8.5	2+	-	-	0.1	-	±	A	
50559	8.5	+	-	-	0.1	-	-	A	
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 : IBMA 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50556	15.0		
50557	15.0		
50558	20.5		
50559	11.0		
50560	13.5		
n	5		
Mean	15.00		
S.D.	3.48		

Urinary findings				Stage : Recovery week 2				Species : Rat
Sex : Female (satellite)				Dose : IBMA 0 mg/kg				
	Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast	
Animal No.								
50556	4	-	-	-	-	-	-	
50557	4	-	-	-	-	-	-	
50558	3	-	-	-	-	-	-	
50559	4	-	-	-	-	-	-	
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					Stage : Recovery week 2			Species : Rat	
Sex : Female (satellite)					Dose : IBMA 120 mg/kg				
	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.	EU/dL								
50656	8.5	+	-	-	0.1	-	-	A	
50657	8.5	2+	-	-	0.1	-	-	A	
50658	8.5	2+	-	-	0.1	-	-	A	
50659	7.5	2+	-	-	0.1	-	+	A	
50660	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 : IBMA 120 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50656	9.5		
50657	4.5		
50658	8.0		
50659	8.0		
50660	9.5		
n	5		
Mean	7.90		
S.D.	2.04		

Urinary findings		Stage : Recovery week 2						Species : Rat
Sex : Female (satellite)		Dose : IBMA 120 mg/kg						
	Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast	
Animal No.								
50656	5	-	-	-	-	-	-	
50657	5	-	-	-	-	-	-	
50658	5	-	-	-	-	-	-	
50659	4	-	-	-	-	-	-	
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						Dose : IBMA 0 mg/kg						
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte	
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL	
10101	833	15.9	44.1	52.9	19.1	36.1	3.77	96.8	149.4	27.3	115.1	
10102	948	16.1	45.0	47.5	17.0	35.8	3.73	114.4	112.8	25.2	82.5	
10104	900	15.8	43.1	47.9	17.6	36.7	2.98	78.7	70.8	15.8	50.3	
10105	850	16.6	46.8	55.1	19.5	35.5	3.81	107.8	106.4	18.0	82.6	
10107	875	16.5	45.6	52.1	18.9	36.2	4.40	108.4	89.3	16.5	67.5	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	881.2	16.18	44.92	51.10	18.42	36.06	3.738	101.22	105.74	20.56	79.60	
S.D.	45.1	0.36	1.41	3.30	1.07	0.45	0.505	14.10	29.36	5.31	23.89	

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
10101	5.0	1.9	0.1	17.3	15.6
10102	4.5	0.5	0.1	20.6	18.5
10104	4.2	0.5	0.0	18.2	15.4
10105	4.3	1.4	0.1	19.2	18.0
10107	4.4	0.9	0.0	19.0	18.0
n	5	5	5	5	5
Mean	4.48	1.04	0.06	18.86	17.10
S.D.	0.31	0.61	0.05	1.23	1.48

Hematological findings				Stage : Day 29				Species : Rat			
Sex : Male				Dose : IBMA 12 mg/kg							
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL
10201	875	15.5	43.0	49.1	17.7	36.0	2.95	113.6	74.1	9.0	60.7
10202	864	16.5	45.8	53.0	19.1	36.0	3.14	108.2	100.5	9.4	87.6
10205	839	15.7	45.1	53.8	18.7	34.8	4.30	90.4	102.6	16.2	82.4
10206	891	16.4	45.7	51.3	18.4	35.9	3.03	109.1	84.4	14.1	64.1
10207	911	16.8	46.9	51.5	18.4	35.8	3.71	138.6	76.1	18.7	52.0
n	5	5	5	5	5	5	5	5	5	5	5
Mean	876.0	16.18	45.30	51.74	18.46	35.70	3.426	111.98	87.54	13.48	69.36
S.D.	27.2	0.55	1.44	1.81	0.51	0.51	0.572	17.32	13.38	4.24	15.06

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
10201	3.9	0.5	0.0	17.7	17.6
10202	2.8	0.7	0.0	20.1	16.9
10205	3.4	0.5	0.1	17.1	17.2
10206	5.2	0.9	0.1	19.1	17.5
10207	4.5	0.9	0.0	23.5	22.1
n	5	5	5	5	5
Mean	3.96	0.70	0.04	19.50	18.26
S.D.	0.93	0.20	0.05	2.53	2.16

Hematological findings						Stage : Day 29		Species : Rat				
Sex : Male						Dose : IBMA 40 mg/kg						
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte	
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL	
10301	853	15.8	44.8	52.5	18.5	35.3	3.30	87.1	118.1	24.0	88.7	
10304	882	15.7	44.6	50.6	17.8	35.2	3.55	104.4	79.0	17.4	57.6	
10306	905	16.0	44.4	49.1	17.7	36.0	2.68	101.8	116.4	14.0	94.9	
10307	853	15.6	45.1	52.9	18.3	34.6	3.98	89.2	102.1	15.5	81.7	
10308	872	16.1	45.0	51.6	18.5	35.8	3.46	94.3	102.5	15.4	81.7	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	873.0	15.84	44.78	51.34	18.16	35.38	3.394	95.36	103.62	17.26	80.92	
S.D.	21.8	0.21	0.29	1.53	0.38	0.55	0.472	7.59	15.67	3.96	14.15	

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
10301	4.5	0.8	0.1	19.3	19.6
10304	3.3	0.7	0.0	25.7	19.7
10306	5.9	1.6	0.0	20.3	21.4
10307	3.9	1.0	0.0	23.1	18.0
10308	4.2	1.2	0.0	16.6	18.1
n	5	5	5	5	5
Mean	4.36	1.06	0.02	21.00	19.36
S.D.	0.97	0.36	0.04	3.51	1.39

Hematological findings						Stage : Day 29		Species : Rat				
Sex : Male						Dose : IBMA 120 mg/kg						
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte	
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL	
10401	804	15.1	41.9	52.1	18.8	36.0	5.07	97.2	87.2	22.8	60.5	
10403	841	15.3	42.7	50.8	18.2	35.8	3.95	107.3	152.1	28.5	116.2	
10404	819	14.8	41.4	50.5	18.1	35.7	3.28	103.0	95.2	14.3	75.7	
10406	854	15.4	43.5	50.9	18.0	35.4	3.50	93.0	103.3	23.0	72.2	
10407	805	14.7	41.4	51.4	18.3	35.5	2.93	104.7	124.1	25.5	93.4	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	824.6	15.06	42.18	51.14	18.28	35.68	3.746	101.04	112.38	22.82	83.60	
S.D.	22.2	0.30	0.91	0.63	0.31	0.24	0.827	5.83	26.11	5.29	21.71	

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
10401	3.1	0.8	0.0	21.8	17.8
10403	6.1	1.3	0.0	24.0	19.3
10404	4.2	1.0	0.0	23.4	18.0
10406	7.0	1.0	0.1	22.6	23.3
10407	4.3	0.9	0.0	16.8	14.9
n	5	5	5	5	5
Mean	4.94	1.00	0.02	21.72	18.66
S.D.	1.58	0.19	0.04	2.87	3.05

Hematological findings						Stage : Day 14 after parturition						Species : Rat	
Sex : Female						Dose : IBMA 0 mg/kg							
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte		
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL		
50153	807	15.8	43.3	53.7	19.6	36.5	3.20	97.4	110.2	61.9	43.7		
50155	695	14.7	41.8	60.1	21.2	35.2	4.45	120.0	85.8	25.4	55.6		
50159	687	14.0	39.5	57.5	20.4	35.4	3.87	99.4	64.7	21.4	42.9		
50161	726	14.5	40.9	56.3	20.0	35.5	3.92	110.7	51.2	29.3	18.1		
50162	729	15.2	42.4	58.2	20.9	35.8	4.68	104.5	87.7	36.6	46.0		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	728.8	14.84	41.58	57.16	20.42	35.68	4.024	106.40	79.92	34.92	41.26		
S.D.	47.5	0.69	1.45	2.37	0.65	0.51	0.576	9.18	22.74	16.09	13.90		

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50153	3.8	0.7	0.1	16.4	11.9
50155	4.4	0.3	0.1	17.1	14.4
50159	0.2	0.2	0.0	16.6	13.8
50161	3.1	0.7	0.0	15.6	12.4
50162	4.3	0.8	0.0	16.7	15.6
n	5	5	5	5	5
Mean	3.16	0.54	0.04	16.48	13.62
S.D.	1.73	0.27	0.05	0.55	1.50

Hematological findings						Stage : Day 14 after parturition						Species : Rat	
Sex : Female						Dose : IBMA 12 mg/kg							
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte		
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL		
50251	674	13.7	38.6	57.3	20.3	35.5	4.46	101.7	63.3	27.4	32.1		
50254	721	16.1	46.8	64.9	22.3	34.4	6.98	80.8	84.8	46.9	34.7		
50257	804	15.5	42.6	53.0	19.3	36.4	4.63	118.3	60.4	15.5	43.7		
50259	865	16.0	43.9	50.8	18.5	36.4	4.06	124.6	83.5	35.6	44.1		
50260	709	14.3	40.4	57.0	20.2	35.4	4.31	99.7	88.3	33.2	51.6		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	754.6	15.12	42.46	56.60	20.12	35.62	4.888	105.02	76.06	31.72	41.24		
S.D.	78.0	1.07	3.17	5.39	1.42	0.83	1.188	17.22	13.13	11.50	7.87		

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50251	3.4	0.4	0.0	16.6	13.2
50254	2.7	0.5	0.0	16.9	12.8
50257	1.0	0.2	0.0	18.1	15.7
50259	3.4	0.4	0.0	16.9	15.1
50260	2.9	0.6	0.0	16.8	13.0
n	5	5	5	5	5
Mean	2.68	0.42	0.00	17.06	13.96
S.D.	0.99	0.15	0.00	0.59	1.34

Hematological findings						Stage : Day 14 after parturition						Species : Rat	
Sex : Female						Dose : IBMA 40 mg/kg							
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte		
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL		
50353	741	15.6	43.6	58.8	21.1	35.8	5.12	112.7	88.9	34.1	47.8		
50354	796	15.8	43.7	54.9	19.8	36.2	3.66	101.2	76.4	34.7	40.0		
50356	833	15.7	44.2	53.1	18.8	35.5	4.28	109.0	89.7	32.9	49.2		
50359	740	14.3	40.6	54.9	19.3	35.2	4.34	113.6	87.6	30.6	51.9		
50362	711	14.1	39.0	54.9	19.8	36.2	3.95	107.6	90.3	40.9	44.8		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	764.2	15.10	42.22	55.32	19.76	35.78	4.270	108.82	86.58	34.64	46.74		
S.D.	49.2	0.83	2.29	2.10	0.86	0.44	0.548	4.94	5.78	3.84	4.55		

	Monocyte	Eosinophil	Basophil	PT	APTT								
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec								
50353	5.7	1.3	0.0	16.7	13.2								
50354	1.6	0.1	0.0	16.4	14.5								
50356	6.8	0.8	0.0	17.3	11.9								
50359	4.4	0.7	0.0	17.7	14.1								
50362	4.0	0.6	0.0	17.3	14.1								
n	5	5	5	5	5								
Mean	4.50	0.70	0.00	17.08	13.56								
S.D.	1.96	0.43	0.00	0.52	1.04								

Hematological findings				Stage : Day 14 after parturition					Species : Rat			
Sex : Female				Dose : IBMA 120 mg/kg								
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte	
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL	
50451	667	13.8	38.0	57.0	20.7	36.3	4.34	85.2	117.4	65.1	49.6	
50453	640	14.8	43.5	68.0	23.1	34.0	4.65	78.1	77.6	22.3	50.6	
50459	701	13.8	38.7	55.2	19.7	35.7	4.11	95.5	64.7	14.3	46.3	
50460	711	14.1	38.8	54.6	19.8	36.3	3.71	77.0	81.3	38.3	38.1	
50461	715	14.6	41.6	58.2	20.4	35.1	5.18	105.3	74.4	28.0	42.4	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	686.8	14.22	40.12	58.60	20.74	35.48	4.398	88.22	83.08	33.60	45.40	
S.D.	32.3	0.46	2.34	5.45	1.38	0.97	0.556	12.06	20.15	19.66	5.19	

Monocyte		Eosinophil		Basophil		PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec		
50451	2.3	0.4	0.0	17.6	14.8		
50453	4.0	0.7	0.0	15.9	12.8		
50459	3.4	0.7	0.0	16.7	12.0		
50460	4.1	0.8	0.0	15.9	15.3		
50461	3.2	0.8	0.0	16.4	13.6		
n	5	5	5	5	5		
Mean	3.40	0.68	0.00	16.50	13.70		
S.D.	0.72	0.16	0.00	0.70	1.37		

Hematological findings Sex : Female (satellite)						Stage : Day 29 Dose : IBMA 0 mg/kg		Species : Rat			
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL
50551	813	15.5	42.5	52.3	19.1	36.5	2.52	122.6	67.1	12.6	51.1
50552	776	14.9	40.9	52.7	19.2	36.4	2.35	115.7	71.2	17.9	50.5
50553	824	15.8	44.2	53.6	19.2	35.7	3.46	91.2	68.6	8.6	57.1
50554	792	16.1	44.3	55.9	20.3	36.3	2.67	111.8	74.2	6.4	65.3
50555	804	16.0	45.2	56.2	19.9	35.4	3.07	89.6	54.0	7.5	44.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	801.8	15.66	43.42	54.14	19.54	36.06	2.814	106.18	67.02	10.60	53.64
S.D.	18.6	0.48	1.71	1.81	0.53	0.48	0.449	14.93	7.76	4.70	7.96

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50551	2.6	0.8	0.0	17.1	12.7
50552	1.6	1.2	0.0	18.1	13.7
50553	2.1	0.8	0.0	16.0	13.3
50554	1.7	0.8	0.0	17.6	13.1
50555	1.3	1.0	0.0	18.0	14.1
n	5	5	5	5	5
Mean	1.86	0.92	0.00	17.36	13.38
S.D.	0.50	0.18	0.00	0.86	0.54

Hematological findings						Stage : Day 29						Species : Rat	
Sex : Female (satellite)						Dose : IBMA 120 mg/kg							
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte		
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL		
50651	738	14.5	40.5	54.9	19.6	35.8	4.03	94.7	61.6	12.2	46.2		
50652	721	14.2	39.5	54.8	19.7	35.9	4.20	107.5	86.1	6.9	76.5		
50653	781	15.4	42.5	54.4	19.7	36.2	3.91	98.2	38.9	4.8	32.3		
50654	702	13.6	38.5	54.8	19.4	35.3	3.30	89.3	29.1	6.2	20.7		
50655	707	13.9	39.1	55.3	19.7	35.5	5.48	86.1	81.1	17.1	61.5		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	729.8	14.32	40.02	54.84	19.62	35.74	4.184	95.16	59.36	9.44	47.44		
S.D.	31.9	0.69	1.57	0.32	0.13	0.35	0.800	8.34	25.13	5.12	22.29		

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50651	2.4	0.8	0.0	16.7	13.5
50652	1.8	0.9	0.0	16.5	12.5
50653	1.3	0.5	0.0	16.9	13.3
50654	1.2	1.0	0.0	16.3	13.7
50655	1.6	0.9	0.0	15.9	14.0
n	5	5	5	5	5
Mean	1.66	0.82	0.00	16.46	13.40
S.D.	0.48	0.19	0.00	0.38	0.57

Hematological findings						Stage : Recovery Day 15						Species : Rat	
Sex : Male						Dose : IBMA 0 mg/kg							
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte		
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL		
10103	885	16.7	45.5	51.4	18.9	36.7	2.56	102.5	93.1	15.8	71.5		
10106	852	15.4	43.1	50.6	18.1	35.7	2.75	90.5	60.6	11.5	44.3		
10109	941	15.8	43.1	45.8	16.8	36.7	2.76	103.2	76.5	10.7	61.0		
10110	891	15.4	43.5	48.8	17.3	35.4	2.64	98.4	95.7	9.1	82.1		
10111	886	15.6	43.9	49.5	17.6	35.5	3.05	108.9	105.7	17.4	81.5		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	891.0	15.78	43.82	49.22	17.74	36.00	2.752	100.70	86.32	12.90	68.08		
S.D.	31.9	0.54	1.00	2.16	0.80	0.65	0.186	6.82	17.80	3.53	15.84		

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
10103	4.2	1.6	0.0	20.4	19.2
10106	3.6	1.2	0.0	19.5	16.6
10109	3.1	1.7	0.0	24.2	16.8
10110	3.1	1.3	0.1	22.2	19.1
10111	5.1	1.6	0.1	19.6	17.6
n	5	5	5	5	5
Mean	3.82	1.48	0.04	21.18	17.86
S.D.	0.85	0.22	0.05	2.01	1.24

Hematological findings						Stage : Recovery Day 15						Species : Rat	
Sex : Male						Dose : IBMA 120 mg/kg							
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte		
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL		
10402	867	15.2	43.1	49.7	17.5	35.3	2.83	93.9	80.1	13.1	61.4		
10405	885	15.6	43.7	49.4	17.6	35.7	4.15	132.3	73.0	10.5	57.7		
10408	900	15.5	45.4	50.4	17.2	34.1	3.42	104.9	80.0	11.0	62.8		
10410	911	15.9	44.3	48.6	17.5	35.9	3.15	124.5	118.6	20.5	90.0		
10412	800	14.6	42.1	52.6	18.3	34.7	4.01	105.7	81.0	15.4	60.9		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	872.6	15.36	43.72	50.14	17.62	35.14	3.512	112.26	86.54	14.10	66.56		
S.D.	43.8	0.49	1.24	1.52	0.41	0.74	0.561	15.70	18.21	4.07	13.24		

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
10402	4.6	1.0	0.0	22.9	18.9
10405	3.6	1.2	0.0	18.0	19.8
10408	4.7	1.5	0.0	20.3	18.6
10410	6.5	1.6	0.0	22.3	18.8
10412	3.4	1.3	0.0	18.8	16.7
n	5	5	5	5	5
Mean	4.56	1.32	0.00	20.46	18.56
S.D.	1.23	0.24	0.00	2.13	1.14

Hematological findings Sex : Female (satellite)						Stage : Recovery Day 15 Dose : IBMA 0 mg/kg			Species : Rat		
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL
50556	855	16.2	45.5	53.2	18.9	35.6	2.44	91.9	42.0	6.0	32.7
50557	879	16.8	46.6	53.0	19.1	36.1	2.67	88.0	55.5	10.4	40.4
50558	857	14.9	41.0	47.8	17.4	36.3	2.45	94.1	71.7	14.3	53.3
50559	883	16.2	44.2	50.1	18.3	36.7	2.32	95.3	54.0	7.1	43.6
50560	793	15.2	42.5	53.6	19.2	35.8	3.58	99.6	42.8	9.7	30.5
n	5	5	5	5	5	5	5	5	5	5	5
Mean	853.4	15.86	43.96	51.54	18.58	36.10	2.692	93.78	53.20	9.50	40.10
S.D.	36.0	0.79	2.25	2.51	0.75	0.43	0.512	4.28	12.06	3.24	9.13

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50556	2.1	1.2	0.0	16.3	12.4
50557	2.8	1.9	0.0	16.7	12.0
50558	3.1	1.0	0.0	16.5	11.9
50559	2.4	0.9	0.0	16.4	13.9
50560	1.6	1.0	0.0	15.8	13.3
n	5	5	5	5	5
Mean	2.40	1.20	0.00	16.34	12.70
S.D.	0.59	0.41	0.00	0.34	0.87

Hematological findings						Stage : Recovery Day 15						Species : Rat	
Sex : Female (satellite)						Dose : IBMA 120 mg/kg							
	RBC	HGB	HCT	MCV	MCH	MCHC	Reticulocyte	Platelet	WBC	Neutrophil	Lymphocyte		
Animal No.	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	%	10 ⁴ /μL	10 ² /μL	10 ² /μL	10 ² /μL		
50656	748	14.7	42.1	56.3	19.7	34.9	3.44	99.3	48.6	11.3	33.6		
50657	808	15.4	44.2	54.7	19.1	34.8	3.16	100.1	62.7	12.0	46.9		
50658	774	15.7	43.8	56.6	20.3	35.8	3.98	97.7	49.0	10.2	36.7		
50659	787	14.7	41.4	52.6	18.7	35.5	2.60	109.2	45.7	5.2	37.7		
50660	775	13.8	39.1	50.5	17.8	35.3	3.31	110.5	39.7	6.4	30.7		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	778.4	14.86	42.12	54.14	19.12	35.26	3.298	103.36	49.14	9.02	37.12		
S.D.	21.8	0.74	2.05	2.58	0.95	0.42	0.498	6.00	8.44	3.04	6.12		

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50656	2.6	1.1	0.0	17.0	12.4
50657	2.2	1.6	0.0	17.6	12.6
50658	1.2	0.9	0.0	16.3	14.5
50659	1.7	1.1	0.0	17.7	14.1
50660	2.0	0.6	0.0	17.3	11.9
n	5	5	5	5	5
Mean	1.94	1.06	0.00	17.18	13.10
S.D.	0.53	0.36	0.00	0.56	1.13

Biochemical findings											
Sex : Male											
Stage : Day 29											
Dose : IBMA 0 mg/kg											
Species : Rat											
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
10101	62	28	170	0.6	0.06	14.7	169	55	20	5.6	12.9
10102	70	27	144	0.4	0.05	7.9	160	52	9	5.5	9.8
10104	53	25	132	0.4	0.05	6.4	153	46	22	5.1	13.1
10105	101	38	138	0.6	0.05	59.4	151	60	29	5.5	11.4
10107	63	26	102	0.4	0.06	10.6	123	37	10	5.3	11.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	69.8	28.8	137.2	0.48	0.054	19.80	151.2	50.0	18.0	5.40	11.76
S.D.	18.5	5.3	24.4	0.11	0.005	22.36	17.3	8.9	8.5	0.20	1.33

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
10101	0.27	143	4.09	102	9.4	7.5	0.85	2.56	45.8	25.7	8.6
10102	0.30	145	4.34	105	9.1	6.1	0.92	2.64	48.0	22.2	8.9
10104	0.27	145	4.12	106	9.3	6.2	1.02	2.57	50.4	19.8	10.6
10105	0.31	144	4.34	106	9.5	6.0	0.89	2.60	47.2	25.1	9.4
10107	0.29	145	4.36	106	9.6	5.8	0.86	2.44	46.1	23.3	10.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.288	144.4	4.250	105.0	9.38	6.32	0.908	2.562	47.50	23.22	9.52
S.D.	0.018	0.9	0.133	1.7	0.19	0.68	0.068	0.075	1.84	2.37	0.83

	β -G	γ -G
Animal No.	%	%
10101	14.8	5.1
10102	14.7	6.2
10104	14.4	4.8
10105	13.9	4.4
10107	13.9	6.6
n	5	5
Mean	14.34	5.42
S.D.	0.43	0.94

Biochemical findings		Stage : Day 29									
Sex : Male		Dose : IBMA 12 mg/kg									
		Species : Rat									
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
10201	70	36	127	0.2	0.06	11.6	162	56	22	5.2	11.4
10202	62	27	110	0.4	0.06	37.5	127	55	18	5.5	12.1
10205	66	29	89	0.5	0.04	11.2	169	68	57	5.7	12.6
10206	76	31	116	0.3	0.06	17.3	136	56	22	5.8	12.8
10207	79	37	226	0.5	0.04	7.0	143	40	22	5.9	11.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	70.6	32.0	133.6	0.38	0.052	16.92	147.4	55.0	28.2	5.62	12.12
S.D.	7.0	4.4	53.5	0.13	0.011	12.07	17.6	9.9	16.2	0.28	0.59

	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	%	%	%
10201	0.29	143	4.33	103	9.3	6.0	0.98	2.57	49.5	21.9	9.2
10202	0.30	144	4.50	104	9.3	7.3	1.01	2.77	50.3	22.2	9.8
10205	0.29	143	4.44	103	9.5	6.3	0.89	2.69	47.2	22.8	9.6
10206	0.28	145	4.66	104	9.8	7.1	0.90	2.74	47.3	20.5	10.3
10207	0.29	145	4.31	105	9.8	6.8	0.85	2.71	46.0	23.3	10.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.290	144.0	4.448	103.8	9.54	6.70	0.926	2.696	48.06	22.14	9.80
S.D.	0.007	1.0	0.142	0.8	0.25	0.54	0.067	0.077	1.78	1.06	0.43

	β-G	γ-G
Animal No.	%	%
10201	13.4	6.0
10202	13.5	4.2
10205	15.0	5.4
10206	14.9	7.0
10207	14.7	5.9
n	5	5
Mean	14.30	5.70
S.D.	0.78	1.02

Biochemical findings		Stage : Day 29									
Sex : Male		Dose : IBMA 40 mg/kg									
		Species : Rat									
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
10301	67	33	126	0.5	0.06	7.2	150	57	30	5.3	11.0
10304	63	32	126	0.4	0.05	4.0	138	48	25	5.3	13.1
10306	58	29	119	0.6	0.06	15.6	135	56	25	5.6	12.7
10307	53	24	124	0.6	0.04	6.6	132	58	34	5.2	13.6
10308	66	33	141	0.7	0.06	17.5	154	71	18	5.9	14.8
n	5	5	5	5	5	5	5	5	5	5	5
Mean	61.4	30.2	127.2	0.56	0.054	10.18	141.8	58.0	26.4	5.46	13.04
S.D.	5.9	3.8	8.2	0.11	0.009	5.98	9.7	8.3	6.0	0.29	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	%	%	%
10301	0.32	144	4.08	104	9.3	6.1	1.00	2.66	50.1	21.6	9.0
10304	0.28	144	4.60	105	9.3	6.8	0.92	2.54	48.0	18.5	10.9
10306	0.26	144	4.51	102	9.6	6.4	0.97	2.76	49.2	20.5	9.3
10307	0.28	144	4.71	105	9.3	7.2	1.03	2.64	50.8	22.3	9.6
10308	0.26	143	4.57	103	10.1	6.8	0.86	2.73	46.2	23.2	8.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.280	143.8	4.494	103.8	9.52	6.66	0.956	2.666	48.86	21.22	9.50
S.D.	0.024	0.4	0.243	1.3	0.35	0.42	0.067	0.086	1.82	1.81	0.85

	β-G	γ-G
Animal No.	%	%
10301	13.8	5.5
10304	15.7	6.9
10306	14.6	6.4
10307	12.7	4.6
10308	16.5	5.4
n	5	5
Mean	14.66	5.76
S.D.	1.50	0.90

Biochemical findings		Stage : Day 29									
Sex : Male		Dose : IBMA 120 mg/kg									
		Species : Rat									
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
10401	78	36	169	0.5	0.06	20.9	139	38	9	5.3	14.0
10403	74	34	103	0.6	0.05	24.0	173	51	33	5.6	11.7
10404	74	36	120	0.6	0.04	4.9	139	52	8	5.5	12.9
10406	56	30	113	0.8	0.04	5.6	128	48	16	5.6	14.5
10407	62	33	111	1.1	0.06	11.6	126	70	16	5.5	13.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	68.8	33.8	123.2	0.72	0.050	13.40	141.0	51.8	16.4	5.50	13.34
S.D.	9.3	2.5	26.3	0.24	0.010	8.73	18.9	11.6	10.0	0.12	1.09

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
10401	0.28	144	4.46	104	9.1	6.8	0.98	2.63	49.6	17.4	9.5
10403	0.26	142	4.13	102	9.6	6.9	0.89	2.63	47.0	23.0	9.9
10404	0.27	144	4.40	105	9.5	6.7	1.01	2.77	50.3	20.9	9.0
10406	0.24	142	4.46	101	9.9	7.4	1.02	2.82	50.4	20.6	10.3
10407	0.25	144	4.56	103	9.6	7.2	0.93	2.65	48.1	21.2	9.0
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.260	143.2	4.402	103.0	9.54	7.00	0.966	2.700	49.08	20.62	9.54
S.D.	0.016	1.1	0.163	1.6	0.29	0.29	0.055	0.089	1.48	2.03	0.57

	β -G	γ -G
Animal No.	%	%
10401	16.1	7.4
10403	14.8	5.3
10404	14.9	4.9
10406	14.5	4.2
10407	15.9	5.8
n	5	5
Mean	15.24	5.52
S.D.	0.71	1.20

Biochemical findings		Stage : Day 14 after parturition										Species : Rat	
Sex : Female		Dose : IBMA 0 mg/kg											
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN		
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL		
50153	148	81	133	1.0	0.05	40.1	192	114	55	6.0	19.8		
50155	98	78	148	0.8	0.04	30.9	127	102	54	5.8	21.3		
50159	399	192	131	1.4	0.05	34.1	128	96	46	5.4	21.6		
50161	108	47	128	1.2	0.01	18.4	148	99	50	5.9	23.8		
50162	196	70	91	0.7	0.04	47.6	149	85	69	5.6	21.3		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	189.8	93.6	126.2	1.02	0.038	34.22	148.8	99.2	54.8	5.74	21.56		
S.D.	123.2	56.6	21.1	0.29	0.016	10.90	26.3	10.5	8.7	0.24	1.44		

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
50153	0.42	138	4.19	97	9.8	7.7	0.86	2.78	46.3	20.0	9.8
50155	0.35	137	4.37	100	9.4	9.2	0.90	2.76	47.5	24.1	10.2
50159	0.36	138	4.35	99	9.2	8.6	0.87	2.51	46.4	22.0	11.0
50161	0.35	140	4.59	102	9.4	7.2	1.02	2.99	50.6	19.6	10.5
50162	0.34	141	4.24	101	9.4	6.8	0.87	2.60	46.5	20.4	10.4
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.364	138.8	4.348	99.8	9.44	7.90	0.904	2.728	47.46	21.22	10.38
S.D.	0.032	1.6	0.155	1.9	0.22	0.99	0.067	0.185	1.82	1.85	0.44

	β -G	γ -G
Animal No.	%	%
50153	16.9	7.0
50155	15.0	3.2
50159	16.2	4.4
50161	15.2	4.1
50162	15.7	7.0
n	5	5
Mean	15.80	5.14
S.D.	0.77	1.75

Biochemical findings		Stage : Day 14 after parturition										Species : Rat	
Sex : Female		Dose : IBMA 12 mg/kg											
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN		
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL		
50251	96	54	84	1.0	0.05	20.8	135	122	31	6.0	21.5		
50254	147	90	152	1.4	0.02	18.8	147	120	103	6.6	30.5		
50257	155	71	97	0.8	0.05	31.1	117	91	97	6.1	25.4		
50259	185	88	84	1.4	0.04	15.2	153	116	79	6.1	24.7		
50260	135	56	68	1.5	0.02	10.9	156	83	32	5.4	18.0		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	143.6	71.8	97.0	1.22	0.036	19.36	141.6	106.4	68.4	6.04	24.02		
S.D.	32.4	17.0	32.4	0.30	0.015	7.57	15.9	18.1	34.8	0.43	4.66		

	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	%	%	%		
50251	0.32	138	4.28	98	9.5	7.6	1.06	3.08	51.4	18.2	9.1		
50254	0.43	135	5.06	96	10.2	12.4	0.87	3.08	46.6	21.1	9.4		
50257	0.36	136	4.82	98	10.2	8.5	0.77	2.65	43.5	20.9	13.2		
50259	0.35	137	4.59	97	9.9	8.3	0.99	3.04	49.8	20.3	10.8		
50260	0.32	141	4.06	101	8.9	6.1	1.05	2.76	51.1	18.1	10.6		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	0.356	137.4	4.562	98.0	9.74	8.58	0.948	2.922	48.48	19.72	10.62		
S.D.	0.045	2.3	0.402	1.9	0.55	2.33	0.125	0.203	3.37	1.46	1.62		

	β-G	γ-G		
Animal No.	%	%		
50251	15.5	5.8		
50254	17.6	5.3		
50257	17.0	5.4		
50259	16.3	2.8		
50260	16.0	4.2		
n	5	5		
Mean	16.48	4.70		
S.D.	0.83	1.22		

Biochemical findings		Stage : Day 14 after parturition									
Sex : Female		Dose : IBMA 40 mg/kg									
		Species : Rat									
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
50353	84	50	93	0.8	0.06	14.8	147	117	71	5.8	17.3
50354	200	86	149	1.1	0.04	13.8	133	83	50	6.1	38.6
50356	110	62	89	0.9	0.04	14.0	159	86	77	5.5	19.9
50359	71	56	129	1.3	0.03	17.3	121	95	30	5.6	18.5
50362	91	75	113	1.6	0.04	23.0	128	93	81	5.8	21.0
n	5	5	5	5	5	5	5	5	5	5	5
Mean	111.2	65.8	114.6	1.14	0.042	16.58	137.6	94.8	61.8	5.76	23.06
S.D.	51.6	14.6	25.1	0.32	0.011	3.85	15.3	13.3	21.4	0.23	8.80

	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	%	%	%
50353	0.33	139	4.30	98	9.4	8.6	0.93	2.80	48.2	22.3	9.2
50354	0.45	136	4.09	96	9.8	10.2	0.84	2.79	45.7	21.6	11.6
50356	0.29	141	3.96	101	9.1	5.6	0.90	2.60	47.3	17.9	9.7
50359	0.36	139	4.19	98	9.1	8.6	0.92	2.68	47.9	20.5	11.5
50362	0.37	137	4.51	97	9.1	8.9	0.87	2.70	46.6	24.4	9.3
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.360	138.4	4.210	98.0	9.30	8.38	0.892	2.714	47.14	21.34	10.26
S.D.	0.059	1.9	0.209	1.9	0.31	1.69	0.037	0.083	1.01	2.39	1.19

	β-G	γ-G
Animal No.	%	%
50353	15.7	4.6
50354	16.4	4.7
50356	18.3	6.8
50359	15.2	4.9
50362	15.5	4.2
n	5	5
Mean	16.22	5.04
S.D.	1.24	1.02

Biochemical findings					Stage : Day 14 after parturition					Species : Rat		
Sex : Female					Dose : IBMA 120 mg/kg							
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN	
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL	
50451	172	120	117	1.2	0.07	29.1	131	141	27	5.8	20.2	
50453	97	40	73	0.9	0.05	6.5	162	87	18	5.9	12.4	
50459	100	44	56	0.9	0.05	7.2	140	72	12	6.0	16.1	
50460	151	79	80	1.8	0.03	18.4	140	99	39	6.1	18.7	
50461	78	44	66	0.6	0.03	13.9	161	99	30	6.5	16.9	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	119.6	65.4	78.4	1.08	0.046	15.02	146.8	99.6	25.2	6.06	16.86	
S.D.	39.9	34.4	23.3	0.45	0.017	9.28	13.9	25.7	10.5	0.27	2.96	

	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	%	%	%	
50451	0.36	138	3.29	95	10.0	8.8	0.87	2.70	46.5	22.2	10.2	
50453	0.23	140	4.47	104	9.1	5.6	1.05	3.01	51.1	18.5	8.7	
50459	0.26	139	4.25	101	9.4	5.7	0.94	2.91	48.5	15.9	9.2	
50460	0.27	139	3.59	99	10.0	7.5	1.04	3.10	50.9	17.4	11.3	
50461	0.23	139	4.93	100	10.0	6.7	1.05	3.33	51.3	20.6	7.8	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	0.270	139.0	4.106	99.8	9.70	6.86	0.990	3.010	49.66	18.92	9.44	
S.D.	0.053	0.7	0.664	3.3	0.42	1.34	0.082	0.233	2.10	2.51	1.35	

	β-G	γ-G	
Animal No.	%	%	
50451	15.1	6.0	
50453	15.0	6.7	
50459	15.6	10.8	
50460	15.6	4.8	
50461	14.9	5.4	
n	5	5	
Mean	15.24	6.74	
S.D.	0.34	2.38	

Biochemical findings Sex : Female (satellite)						Stage : Day 29 Dose : IBMA 0 mg/kg		Species : Rat			
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
50551	84	47	60	0.7	0.04	10.2	131	67	11	6.5	14.9
50552	79	33	63	1.5	0.06	10.2	126	46	6	5.4	19.1
50553	49	21	118	1.0	0.05	17.3	132	67	20	5.9	13.7
50554	62	25	46	0.7	0.05	13.0	137	38	7	5.4	16.8
50555	83	34	61	1.1	0.05	18.6	121	47	5	5.6	14.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	71.4	32.0	69.6	1.00	0.050	13.86	129.4	53.0	9.8	5.76	15.84
S.D.	15.3	10.0	27.9	0.33	0.007	3.93	6.1	13.2	6.1	0.46	2.14

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
50551	0.30	143	5.15	106	10.3	5.9	1.15	3.47	53.4	20.0	7.3
50552	0.37	144	4.60	106	9.4	6.3	1.06	2.78	51.4	18.6	7.5
50553	0.37	146	4.01	109	9.7	4.6	1.09	3.07	52.1	18.7	8.4
50554	0.32	144	4.44	106	9.3	6.0	1.13	2.87	53.1	19.9	7.8
50555	0.32	145	4.11	108	9.1	6.3	1.15	2.99	53.4	17.6	8.0
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.336	144.4	4.462	107.0	9.56	5.82	1.116	3.036	52.68	18.96	7.80
S.D.	0.032	1.1	0.453	1.4	0.47	0.70	0.040	0.267	0.89	1.00	0.43

	β -G	γ -G
Animal No.	%	%
50551	13.4	5.9
50552	13.7	8.8
50553	13.2	7.6
50554	12.7	6.5
50555	14.6	6.4
n	5	5
Mean	13.52	7.04
S.D.	0.70	1.16

Biochemical findings Sex : Female (satellite)						Stage : Day 29 Dose : IBMA 120 mg/kg			Species : Rat		
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
50651	74	31	56	1.0	0.05	11.3	119	39	5	5.6	19.1
50652	55	25	44	1.1	0.06	6.5	127	74	9	6.2	12.6
50653	58	22	44	0.9	0.07	13.4	128	96	14	6.0	15.1
50654	54	25	65	1.2	0.05	13.4	125	69	11	5.9	9.2
50655	62	22	34	1.0	0.04	9.5	136	59	6	6.0	16.4
n	5	5	5	5	5	5	5	5	5	5	5
Mean	60.6	25.0	48.6	1.04	0.054	10.82	127.0	67.4	9.0	5.94	14.48
S.D.	8.1	3.7	12.0	0.11	0.011	2.91	6.1	20.9	3.7	0.22	3.77

	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	%	%	%
50651	0.32	143	4.35	106	9.3	6.2	1.11	2.95	52.7	16.4	8.3
50652	0.26	143	4.20	103	9.8	6.6	1.06	3.19	51.4	18.4	8.4
50653	0.29	142	4.57	105	9.2	5.6	1.13	3.18	53.0	17.3	8.0
50654	0.21	140	5.03	104	9.4	7.0	1.11	3.10	52.5	16.2	8.0
50655	0.30	141	4.03	102	9.5	5.7	1.18	3.25	54.2	17.3	7.8
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.276	141.8	4.436	104.0	9.44	6.22	1.118	3.134	52.76	17.12	8.10
S.D.	0.043	1.3	0.387	1.6	0.23	0.59	0.043	0.116	1.01	0.88	0.24

	β-G	γ-G
Animal No.	%	%
50651	14.6	8.0
50652	14.4	7.4
50653	13.7	8.0
50654	14.4	8.9
50655	13.4	7.3
n	5	5
Mean	14.10	7.92
S.D.	0.52	0.64

Biochemical findings						Stage : Recovery Day 15						Species : Rat	
Sex : Male						Dose : IBMA 0 mg/kg							
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN		
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL		
10103	66	30	75	0.4	0.06	8.2	131	36	10	5.4	14.6		
10106	72	34	74	0.5	0.05	7.7	150	43	12	5.2	14.1		
10109	94	34	120	0.7	0.05	15.3	142	50	17	5.4	15.3		
10110	75	38	96	0.5	0.05	8.7	152	43	12	5.2	15.9		
10111	62	31	144	0.6	0.05	10.7	152	53	41	5.4	18.5		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	73.8	33.4	101.8	0.54	0.052	10.12	145.4	45.0	18.4	5.32	15.68		
S.D.	12.4	3.1	30.2	0.11	0.004	3.11	9.0	6.7	12.9	0.11	1.72		

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
10103	0.33	144	4.06	106	9.0	5.5	0.94	2.61	48.4	22.2	8.8
10106	0.33	144	4.21	104	8.9	6.5	0.78	2.27	43.7	27.4	7.8
10109	0.29	144	4.40	105	8.6	5.8	0.86	2.50	46.3	23.4	8.6
10110	0.30	144	4.20	105	9.0	5.9	0.74	2.20	42.4	26.8	9.0
10111	0.28	143	4.40	104	9.4	6.0	0.84	2.46	45.6	24.7	7.5
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.306	143.8	4.254	104.8	8.98	5.94	0.832	2.408	45.28	24.90	8.34
S.D.	0.023	0.4	0.146	0.8	0.29	0.36	0.077	0.169	2.33	2.20	0.65

	β -G	γ -G
Animal No.	%	%
10103	14.3	6.3
10106	14.3	6.8
10109	14.4	7.3
10110	16.7	5.1
10111	16.9	5.3
n	5	5
Mean	15.32	6.16
S.D.	1.35	0.95

Biochemical findings					Stage : Recovery Day 15					Species : Rat	
Sex : Male					Dose : IBMA 120 mg/kg						
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
10402	65	36	86	0.4	0.04	4.2	186	37	25	5.2	12.9
10405	62	33	107	0.7	0.03	7.9	150	61	15	5.4	18.4
10408	70	43	109	0.4	0.04	13.1	165	43	27	5.1	14.7
10410	61	37	94	0.4	0.03	7.3	152	48	40	5.8	13.9
10412	61	33	108	0.4	0.04	4.7	141	52	27	5.3	15.0
n	5	5	5	5	5	5	5	5	5	5	5
Mean	63.8	36.4	100.8	0.46	0.036	7.44	158.8	48.2	26.8	5.36	14.98
S.D.	3.8	4.1	10.3	0.13	0.005	3.55	17.5	9.1	8.9	0.27	2.08

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
10402	0.28	139	4.34	101	9.0	5.5	0.86	2.40	46.1	25.2	8.6
10405	0.30	140	4.23	101	9.1	6.6	0.93	2.60	48.1	22.1	8.2
10408	0.27	144	4.61	104	8.8	5.8	0.82	2.30	45.1	23.9	9.0
10410	0.23	142	4.29	103	9.5	6.5	0.80	2.58	44.4	25.1	8.0
10412	0.25	139	4.63	102	8.8	5.8	0.81	2.38	44.9	24.4	9.3
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.266	140.8	4.420	102.2	9.04	6.04	0.844	2.452	45.72	24.14	8.62
S.D.	0.027	2.2	0.187	1.3	0.29	0.48	0.053	0.132	1.47	1.26	0.54

	β -G	γ -G
Animal No.	%	%
10402	15.3	4.8
10405	15.4	6.2
10408	15.5	6.5
10410	16.3	6.2
10412	16.4	5.0
n	5	5
Mean	15.78	5.74
S.D.	0.53	0.78

Biochemical findings Sex : Female (satellite)						Stage : Recovery Day 15 Dose : IBMA 0 mg/kg			Species : Rat		
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
50556	60	28	59	0.8	0.06	4.4	113	75	7	5.9	15.9
50557	66	32	66	1.5	0.06	6.2	128	75	17	5.8	17.7
50558	66	29	50	0.8	0.05	6.7	141	83	9	6.0	17.7
50559	108	63	50	1.4	0.07	12.6	115	73	14	6.0	16.5
50560	58	28	56	0.5	0.08	14.3	148	74	17	6.1	13.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	71.6	36.0	56.2	1.00	0.064	8.84	129.0	76.0	12.8	5.96	16.20
S.D.	20.7	15.2	6.7	0.43	0.011	4.34	15.5	4.0	4.6	0.11	1.85

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
50556	0.37	142	4.45	106	9.6	6.0	1.11	3.10	52.6	17.7	9.0
50557	0.34	141	4.69	103	9.7	6.4	1.16	3.11	53.7	17.3	8.6
50558	0.38	141	4.05	104	9.3	5.3	1.10	3.14	52.3	18.3	7.3
50559	0.37	142	4.27	103	9.5	6.3	1.04	3.06	51.0	19.8	8.7
50560	0.36	141	4.18	104	9.4	5.6	1.13	3.23	53.0	20.2	7.4
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.364	141.4	4.328	104.0	9.50	5.92	1.108	3.128	52.52	18.66	8.20
S.D.	0.015	0.5	0.249	1.2	0.16	0.47	0.044	0.064	1.00	1.28	0.79

	β -G	γ -G
Animal No.	%	%
50556	14.3	6.4
50557	14.4	6.0
50558	14.8	7.3
50559	13.9	6.6
50560	13.4	6.0
n	5	5
Mean	14.16	6.46
S.D.	0.53	0.54

Biochemical findings Sex : Female (satellite)						Stage : Recovery Day 15 Dose : IBMA 120 mg/kg						Species : Rat	
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN		
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL		
50656	59	35	31	0.6	0.06	10.4	128	66	9	6.2	15.6		
50657	81	34	45	1.4	0.05	10.6	119	46	8	5.6	18.3		
50658	64	28	32	0.7	0.06	10.4	112	59	5	6.0	14.9		
50659	51	25	29	0.6	0.06	14.9	114	64	14	6.0	14.9		
50660	194	110	48	1.9	0.06	65.2	114	103	17	6.2	18.3		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	89.8	46.4	37.0	1.04	0.058	22.30	117.4	67.6	10.6	6.00	16.40		
S.D.	59.3	35.8	8.8	0.59	0.004	24.06	6.5	21.3	4.8	0.24	1.76		

	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	%	%	%		
50656	0.28	141	4.88	104	9.7	6.2	1.13	3.29	53.0	18.6	7.5		
50657	0.41	145	4.70	109	9.0	6.1	1.02	2.82	50.4	19.7	7.5		
50658	0.34	144	4.34	106	9.4	6.8	1.05	3.08	51.3	19.1	7.0		
50659	0.29	142	4.75	104	9.6	6.2	1.26	3.35	55.8	17.1	6.6		
50660	0.29	140	4.69	104	9.8	6.1	1.05	3.17	51.1	18.1	7.7		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	0.322	142.4	4.672	105.4	9.50	6.28	1.102	3.142	52.32	18.52	7.26		
S.D.	0.054	2.1	0.200	2.2	0.32	0.29	0.097	0.208	2.17	0.99	0.45		

	β-G	γ-G		
Animal No.	%	%		
50656	13.6	7.3		
50657	14.3	8.1		
50658	15.1	7.5		
50659	13.3	7.2		
50660	15.3	7.8		
n	5	5		
Mean	14.32	7.58		
S.D.	0.88	0.37		

Serum T4 concentration		Stage : Day 29	Species : Rat
Sex : Male		Dose : IBMA 0 mg/kg	
T4			
Animal No.	ng/mL		
10101	45.7		
10102	54.5		
10104	54.3		
10105	61.1		
10107	47.0		
10108	45.4		
10112	68.3		
n	7		
Mean	53.76		
S.D.	8.63		

Serum T4 concentration		Stage : Day 29	Species : Rat
Sex : Male		Dose : IBMA 12 mg/kg	
T4			
Animal No.	ng/mL		
10201	53.0		
10202	53.5		
10203	70.0		
10204	68.6		
10205	64.2		
10206	56.5		
10207	46.9		
10208	74.9		
10209	40.7		
10210	50.5		
10211	67.7		
10212	71.8		
n	12		
Mean	59.86		
S.D.	11.08		

Serum T4 concentration		Stage : Day 29	Species : Rat
Sex : Male		Dose : IBMA 40 mg/kg	
T4			
Animal No.	ng/mL		
10301	66.4		
10302	69.2		
10303	69.6		
10304	49.4		
10305	68.5		
10306	68.3		
10307	61.2		
10308	64.6		
10309	61.0		
10310	59.0		
10311	72.4		
10312	58.4		
n	12		
Mean	64.00		
S.D.	6.47		

Serum T4 concentration		Stage : Day 29	Species : Rat
Sex : Male		Dose : IBMA 120 mg/kg	
T4			
Animal No.	ng/mL		
10401	85.1		
10403	65.5		
10404	69.5		
10406	58.9		
10407	62.0		
10409	50.5		
10411	82.5		
n	7		
Mean	67.71		
S.D.	12.49		

Serum T4 concentration		Stage : Day 14 after parturition	Species : Rat
Sex : Female		Dose : IBMA 0 mg/kg	
T4			
Animal No.	ng/mL		
50151	32.8		
50152	51.2		
50153	49.9		
50154	48.1		
50155	49.3		
50156	44.8		
50157	41.9		
50158	49.7		
50159	34.8		
50160	46.6		
50161	49.9		
50162	45.8		
n	12		
Mean	45.40		
S.D.	6.03		

Serum T4 concentration		Stage : Day 14 after parturition	Species : Rat
Sex : Female		Dose : IBMA 12 mg/kg	
T4			
Animal No.	ng/mL		
50251	45.1		
50252	61.3		
50253	49.8		
50254	53.3		
50255	60.3		
50256	58.2		
50257	34.3		
50258	41.6		
50259	42.1		
50260	47.8		
50261	40.3		
50262	45.9		
n	12		
Mean	48.33		
S.D.	8.52		

Serum T4 concentration		Stage : Day 14 after parturition	Species : Rat
Sex : Female		Dose : IBMA 40 mg/kg	
T4			
Animal No.	ng/mL		
50351	44.7		
50352	57.9		
50353	61.8		
50354	50.6		
50355	56.5		
50356	46.8		
50357	50.2		
50358	46.6		
50359	37.4		
50360	47.8		
50361	46.2		
50362	38.4		
n	12		
Mean	48.74		
S.D.	7.31		

Serum T4 concentration Sex : Female		Stage : Day 14 after parturition Dose : IBMA 120 mg/kg	Species : Rat
T4			
Animal No.	ng/mL		
50451	52.0		
50452	66.3 \$		
50453	51.8		
50454	49.9 #		
50456	65.7 \$		
50457	55.4 \$		
50458	61.0 \$		
50459	45.7		
50460	59.0		
50461	46.4		
50462	62.1 #		
n	5		
Mean	50.98		
S.D.	5.36		

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

: Excepted data from calculation (whole litter loss)

Serum T4 concentration Sex : Female (satellite)		Stage : Day 29 Dose : IBMA 0 mg/kg	Species : Rat
T4			
Animal No.	ng/mL		
50551	44.8		
50552	42.9		
50553	41.6		
50554	33.7		
50555	35.9		
n	5		
Mean	39.78		
S.D.	4.75		

Serum T4 concentration		Stage : Day 29	Species : Rat
Sex : Female (satellite)		Dose : IBMA 120 mg/kg	
T4			
Animal No.	ng/mL		
50651	51.9		
50652	53.5		
50653	50.4		
50654	52.1		
50655	53.3		
n	5		
Mean	52.24		
S.D.	1.25		

Serum T4 concentration		Stage : Recovery day 15	Species : Rat
Sex : Male		Dose : IBMA 0 mg/kg	
T4			
Animal No.	ng/mL		
10103	46.2		
10106	56.4		
10109	54.0		
10110	54.8		
10111	48.5		
n	5		
Mean	51.98		
S.D.	4.39		

Serum T4 concentration		Stage : Recovery day 15		Species : Rat
Sex : Male		Dose : IBMA 120 mg/kg		
T4				
Animal No.	ng/mL			
10402	48.7			
10405	41.2			
10408	43.5			
10410	52.8			
10412	48.9			
n	5			
Mean	47.02			
S.D.	4.64			

Serum T4 concentration Sex : Female (satellite) T4		Stage : Recovery day 15 Dose : IBMA 0 mg/kg	Species : Rat
Animal No.	ng/mL		
50556	35.5		
50557	32.0		
50558	32.4		
50559	40.1		
50560	36.6		
n	5		
Mean	35.32		
S.D.	3.32		

Serum T4 concentration		Stage : Recovery day 15	
Sex : Female (satellite)		Dose : IBMA 120 mg/kg	
T4		Species : Rat	
Animal No.	ng/mL		
50656	33.2		
50657	36.1		
50658	25.0		
50659	29.9		
50660	45.2		
n	5		
Mean	33.88		
S.D.	7.55		

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10101		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10102		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10104		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10105		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10107		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10108		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10112		
Finding absent :	All organs & tissues			

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10201		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10202		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10203		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10204		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10205		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10206		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10207		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10208		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10209		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10210		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10211		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 10212		
Finding absent :	All organs & tissues			

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10301		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10302		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10303		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10304		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10305		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10306		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10307		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10308		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10309		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10310		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10311		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 10312		
Finding absent :	All organs & tissues			

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10401		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10403		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10404		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10406	Infertility	
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10407	Infertility	
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10409		
Finding absent :	All organs & tissues			
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10411		
Finding absent :	All organs & tissues			

Necropsy findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50151		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50152		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50153		
Finding absent :	All organs & tissues			
Estrous cycle : Proestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50154		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50155		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50156		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50157		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50158		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50159		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50160		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50161		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50162		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				

Necropsy findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50251		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50252		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50253		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50254		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50255		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50256		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50257		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50258		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50259		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50260		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50261		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 12 mg/kg	Animal No. : 50262		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				

Necropsy findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50351		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50352		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50353		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50354		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50355		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50356		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50357		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50358		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50359		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50360		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50361		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 40 mg/kg	Animal No. : 50362		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				

Necropsy findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50451		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50453		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50454		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50455	Euthanized on lactation day 1	
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50459		
Stomach				
Findings : Finding present				
Dark red focus, mucosa				
Non-graded change				
Finding Comment : fine, glandular stomach				
Finding absent :	Other organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50460		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50461		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50462		
Finding absent :	All organs & tissues			
Estrous cycle : Proestrus				

Necropsy findings			Stage : Non-pregnancy	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50452		
Finding absent :	All organs & tissues			
Estrous cycle : Proestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50456		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50457		
Finding absent :	All organs & tissues			
Estrous cycle : Proestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50458		
Finding absent :	All organs & tissues			
Estrous cycle : Estrus				

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Female (satellite)				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50551		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50552		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50553		
Finding absent :	All organs & tissues			
Estrous cycle : Estrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50554		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50555		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Female (satellite)				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50651		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50652		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50653		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50654		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50655		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				

Necropsy findings			
Sex : Male		Stage : Recovery day 15	Species : Rat
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10103	
Finding absent :	All organs & tissues		
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10106	
Finding absent :	All organs & tissues		
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10109	
Finding absent :	All organs & tissues		
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10110	
Finding absent :	All organs & tissues		
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10111	
Finding absent :	All organs & tissues		

Necropsy findings			
Sex : Male			
		Stage : Recovery day 15	Species : Rat
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10402	Infertility
Finding absent :	All organs & tissues		
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10405	
Finding absent :	All organs & tissues		
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10408	Infertility
Finding absent :	All organs & tissues		
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10410	
Finding absent :	All organs & tissues		
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10412	
Finding absent :	All organs & tissues		

Necropsy findings			Stage : Recovery day 15	Species : Rat
Sex : Female (satellite)				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50556		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50557		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50558		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50559		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50560		
Finding absent :	All organs & tissues			
Estrous cycle : Estrus				

Necropsy findings			Stage : Recovery day 15	Species : Rat
Sex : Female (satellite)				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50656		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50657		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50658		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50659		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50660		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				

Organ weight Sex : Male		Stage : Day 29 Dose : IBMA 0 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10101	512	13.53	2.64	3.84	0.75	1.55	0.30	750	146.48
10102	450	11.46	2.55	3.07	0.68	1.25	0.28	718	159.56
10104	412	9.99	2.42	2.98	0.72	1.22	0.30	518	125.73
10105	521	12.77	2.45	3.14	0.60	1.74	0.33	865	166.03
10107	441	10.74	2.44	3.17	0.72	1.29	0.29	715	162.13
10108	460	11.60	2.52	3.51	0.76	1.43	0.31	616	133.91
10112	532	16.51	3.10	3.25	0.61	1.58	0.30	712	133.83
n	7	7	7	7	7	7	7	7	7
Mean	475.4	12.371	2.589	3.280	0.691	1.437	0.301	699.1	146.810
S.D.	46.0	2.175	0.238	0.298	0.064	0.195	0.016	108.5	16.052

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
10101	297	58.01	65	12.70	15.6	3.05	19.2	3.75	3.18	0.62
10102	428	95.11	72	16.00	10.8	2.40	19.9	4.42	3.36	0.75
10104	203	49.27	72	17.48	12.0	2.91	24.0	5.83	3.24	0.79
10105	499	95.78	66	12.67	12.2	2.34	26.4	5.07	3.16	0.61
10107	271	61.45	79	17.91	14.1	3.20	20.5	4.65	3.28	0.74
10108	356	77.39	72	15.65	13.5	2.93	22.0	4.78	3.20	0.70
10112	457	85.90	55	10.34	10.9	2.05	27.0	5.08	3.01	0.57
n	7	7	7	7	7	7	7	7	7	7
Mean	358.7	74.701	68.7	14.679	12.73	2.697	22.71	4.797	3.204	0.683
S.D.	107.9	18.683	7.6	2.821	1.76	0.430	3.14	0.643	0.109	0.083

Animal No.	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
10101	1.09	0.21	947	184.96	1.80	0.35	2.27	0.44
10102	1.47	0.33	823	182.89	2.51	0.56	2.12	0.47
10104	1.28	0.31	686	166.50	2.29	0.56	2.14	0.52
10105	1.22	0.23	402	77.16	2.18	0.42	2.33	0.45
10107	1.24	0.28	671	152.15	2.19	0.50	2.28	0.52
10108	1.30	0.28	544	118.26	2.67	0.58	2.41	0.52
10112	1.37	0.26	740	139.10	2.54	0.48	2.03	0.38
n	7	7	7	7	7	7	7	7
Mean	1.281	0.271	687.6	145.860	2.311	0.493	2.226	0.471
S.D.	0.120	0.042	178.3	38.498	0.293	0.084	0.133	0.053

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

Organ weight Sex : Male		Stage : Day 29 Dose : IBMA 12 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10201	486	12.34	2.54	3.09	0.64	1.31	0.27	641	131.89
10202	435	10.06	2.31	2.69	0.62	1.30	0.30	700	160.92
10203	466	11.20	2.40	2.91	0.62	1.53	0.33	787	168.88
10204	513	12.79	2.49	2.97	0.58	1.77	0.35	777	151.46
10205	535	16.08	3.01	3.55	0.66	1.55	0.29	1052	196.64
10206	448	12.09	2.70	3.21	0.72	1.40	0.31	623	139.06
10207	545	14.22	2.61	3.43	0.63	1.53	0.28	884	162.20
10208	417	9.98	2.39	2.67	0.64	1.24	0.30	687	164.75
10209	426	10.66	2.50	2.80	0.66	1.31	0.31	511	119.95
10210	438	11.50	2.63	3.18	0.73	1.39	0.32	782	178.54
10211	481	11.26	2.34	3.27	0.68	1.46	0.30	729	151.56
10212	459	14.26	3.11	3.53	0.77	1.50	0.33	958	208.71
n	12	12	12	12	12	12	12	12	12
Mean	470.8	12.203	2.586	3.108	0.663	1.441	0.308	760.9	161.213
S.D.	42.3	1.859	0.252	0.307	0.054	0.147	0.023	149.6	25.451

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	374	76.95	67	13.79	13.3	2.74	25.8	5.31	3.44	0.71
10202	467	107.36	50	11.49	11.4	2.62	20.1	4.62	2.86	0.66
10203	430	92.27	76	16.31	9.9	2.12	27.6	5.92	3.14	0.67
10204	414	80.70	65	12.67	11.9	2.32	25.8	5.03	3.22	0.63
10205	502	93.83	96	17.94	13.0	2.43	28.4	5.31	3.40	0.64
10206	247	55.13	73	16.29	10.8	2.41	18.7	4.17	2.91	0.65
10207	340	62.39	71	13.03	12.5	2.29	21.3	3.91	3.26	0.60
10208	334	80.10	66	15.83	10.8	2.59	18.1	4.34	3.11	0.75
10209	282	66.20	67	15.73	11.1	2.61	21.6	5.07	3.21	0.75
10210	301	68.72	62	14.16	11.1	2.53	29.1	6.64	3.11	0.71
10211	486	101.04	76	15.80	14.2	2.95	40.5	8.42	2.98	0.62
10212	379	82.57	71	15.47	10.2	2.22	33.3	7.25	3.31	0.72
n	12	12	12	12	12	12	12	12	12	12
Mean	379.7	80.605	70.0	14.876	11.68	2.486	25.86	5.499	3.163	0.676
S.D.	82.4	15.930	10.8	1.852	1.32	0.235	6.56	1.347	0.182	0.051

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

Organ weight Sex : Male		Stage : Day 29 Dose : IBMA 12 mg/kg				Species : Rat		
Animal No.	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	1.39	0.29	560	115.23	2.34	0.48	2.25	0.46
10202	1.09	0.25	515	118.39	1.90	0.44	2.18	0.50
10203	1.18	0.25	787	168.88	2.38	0.51	2.27	0.49
10204	1.30	0.25	479	93.37	2.40	0.47	2.03	0.40
10205	1.46	0.27	650	121.50	2.40	0.45	2.17	0.41
10206	1.02	0.23	960	214.29	1.49	0.33	2.19	0.49
10207	1.30	0.24	460	84.40	2.63	0.48	2.69	0.49
10208	1.19	0.29	489	117.27	1.81	0.43	2.23	0.53
10209	1.34	0.31	545	127.93	2.22	0.52	2.16	0.51
10210	1.37	0.31	990	226.03	2.91	0.66	2.32	0.53
10211	1.17	0.24	653	135.76	2.64	0.55	2.12	0.44
10212	1.25	0.27	677	147.49	2.70	0.59	2.37	0.52
n	12	12	12	12	12	12	12	12
Mean	1.255	0.267	647.1	139.212	2.318	0.493	2.248	0.481
S.D.	0.129	0.028	180.8	43.871	0.409	0.084	0.166	0.044

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

Organ weight Sex : Male		Stage : Day 29 Dose : IBMA 40 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10301	457	11.79	2.58	2.98	0.65	1.32	0.29	632	138.29
10302	440	11.58	2.63	3.50	0.80	1.41	0.32	671	152.50
10303	439	10.97	2.50	3.19	0.73	1.38	0.31	675	153.76
10304	404	10.42	2.58	2.77	0.69	1.18	0.29	692	171.29
10305	459	11.74	2.56	2.99	0.65	1.46	0.32	654	142.48
10306	509	15.21	2.99	3.55	0.70	1.67	0.33	870	170.92
10307	387	9.91	2.56	2.79	0.72	1.35	0.35	539	139.28
10308	488	14.30	2.93	3.24	0.66	1.51	0.31	878	179.92
10309	489	13.34	2.73	3.22	0.66	1.62	0.33	796	162.78
10310	442	12.04	2.72	3.35	0.76	1.43	0.32	595	134.62
10311	421	11.21	2.66	3.29	0.78	1.35	0.32	684	162.47
10312	447	12.04	2.69	3.06	0.68	1.57	0.35	642	143.62
n	12	12	12	12	12	12	12	12	12
Mean	448.5	12.046	2.678	3.161	0.707	1.438	0.320	694.0	154.328
S.D.	35.4	1.543	0.150	0.251	0.052	0.138	0.019	103.7	15.035

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	309	67.61	61	13.35	11.7	2.56	30.3	6.63	3.11	0.68
10302	227	51.59	87	19.77	11.4	2.59	29.8	6.77	3.15	0.72
10303	347	79.04	64	14.58	9.2	2.10	16.0	3.64	3.35	0.76
10304	298	73.76	56	13.86	10.1	2.50	19.4	4.80	3.15	0.78
10305	326	71.02	60	13.07	10.2	2.22	19.1	4.16	3.06	0.67
10306	499	98.04	63	12.38	12.4	2.44	24.3	4.77	3.34	0.66
10307	489	126.36	50	12.92	10.7	2.76	21.6	5.58	2.89	0.75
10308	238	48.77	65	13.32	10.2	2.09	29.8	6.11	2.83	0.58
10309	501	102.45	77	15.75	13.8	2.82	29.4	6.01	3.19	0.65
10310	312	70.59	57	12.90	11.4	2.58	16.6	3.76	3.02	0.68
10311	272	64.61	75	17.81	13.5	3.21	23.9	5.68	3.14	0.75
10312	325	72.71	64	14.32	13.7	3.06	24.0	5.37	3.04	0.68
n	12	12	12	12	12	12	12	12	12	12
Mean	345.3	77.213	64.9	14.503	11.53	2.578	23.68	5.273	3.106	0.697
S.D.	97.6	21.993	10.2	2.237	1.55	0.350	5.26	1.056	0.155	0.057

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

Organ weight Sex : Male		Stage : Day 29 Dose : IBMA 40 mg/kg				Species : Rat		
Animal No.	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	1.45	0.32	550	120.35	2.37	0.52	2.45	0.54
10302	1.36	0.31	648	147.27	2.84	0.65	2.24	0.51
10303	1.30	0.30	496	112.98	2.61	0.59	2.23	0.51
10304	1.31	0.32	631	156.19	2.44	0.60	2.13	0.53
10305	1.18	0.26	739	161.00	2.33	0.51	2.29	0.50
10306	1.34	0.26	909	178.59	2.15	0.42	2.27	0.45
10307	1.09	0.28	597	154.26	1.77	0.46	2.15	0.56
10308	1.16	0.24	745	152.66	2.44	0.50	2.29	0.47
10309	1.21	0.25	898	183.64	2.30	0.47	2.31	0.47
10310	1.22	0.28	301	68.10	2.35	0.53	2.35	0.53
10311	1.31	0.31	699	166.03	2.77	0.66	2.23	0.53
10312	1.43	0.32	787	176.06	2.67	0.60	2.18	0.49
n	12	12	12	12	12	12	12	12
Mean	1.280	0.288	666.7	148.094	2.420	0.543	2.260	0.508
S.D.	0.110	0.030	171.1	33.016	0.290	0.077	0.089	0.033

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

Organ weight Sex : Male		Stage : Day 29 Dose : IBMA 120 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10401	379	11.48	3.03	2.59	0.68	1.35	0.36	630	166.23
10403	477	15.97	3.35	3.56	0.75	1.82	0.38	788	165.20
10404	375	9.94	2.65	2.74	0.73	1.28	0.34	445	118.67
10406	459	14.40	3.14	3.51	0.76	1.49	0.32	705	153.59
10407	402	11.43	2.84	3.14	0.78	1.24	0.31	642	159.70
10409	389	10.51	2.70	2.95	0.76	1.26	0.32	520	133.68
10411	487	14.44	2.97	3.85	0.79	1.54	0.32	685	140.66
n	7	7	7	7	7	7	7	7	7
Mean	424.0	12.596	2.954	3.191	0.750	1.426	0.336	630.7	148.247
S.D.	48.5	2.311	0.247	0.465	0.037	0.209	0.026	115.5	17.866

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
10401	285	75.20	64	16.89	15.3	4.04	31.3	8.26	2.88	0.76
10403	361	75.68	64	13.42	11.9	2.49	30.9	6.48	3.20	0.67
10404	218	58.13	75	20.00	11.1	2.96	20.9	5.57	3.02	0.81
10406	214	46.62	60	13.07	9.1	1.98	26.9	5.86	3.46	0.75
10407	180	44.78	52	12.94	8.5	2.11	24.3	6.04	3.02	0.75
10409	230	59.13	70	17.99	9.7	2.49	16.5	4.24	2.87	0.74
10411	301	61.81	68	13.96	8.3	1.70	21.1	4.33	3.33	0.68
n	7	7	7	7	7	7	7	7	7	7
Mean	255.6	60.193	64.7	15.467	10.56	2.539	24.56	5.826	3.111	0.737
S.D.	62.6	12.212	7.4	2.815	2.48	0.778	5.50	1.367	0.226	0.048

Animal No.	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
10401	1.19	0.31	843	222.43	2.27	0.60	2.13	0.56
10403	1.28	0.27	937	196.44	2.47	0.52	2.17	0.45
10404	1.06	0.28	418	111.47	2.66	0.71	2.12	0.57
10406	1.32	0.29	480	104.58	3.00	0.65	2.25	0.49
10407	1.09	0.27	648	161.19	2.50	0.62	2.19	0.54
10409	1.30	0.33	628	161.44	3.14	0.81	2.13	0.55
10411	1.04	0.21	750	154.00	2.28	0.47	2.03	0.42
n	7	7	7	7	7	7	7	7
Mean	1.183	0.280	672.0	158.793	2.617	0.626	2.146	0.511
S.D.	0.120	0.038	186.8	42.192	0.339	0.114	0.068	0.059

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

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : IBMA 0 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50151	373	15.30	4.10	2.38	0.64	1.20	0.32	625	167.56
50152	353	11.87	3.36	2.03	0.58	0.98	0.28	637	180.45
50153	376	12.66	3.37	2.38	0.63	1.35	0.36	714	189.89
50154	379	13.87	3.66	2.36	0.62	1.59	0.42	607	160.16
50155	331	11.03	3.33	2.08	0.63	1.17	0.35	520	157.10
50156	349	11.19	3.21	2.32	0.66	1.09	0.31	744	213.18
50157	341	12.18	3.57	2.29	0.67	1.25	0.37	671	196.77
50158	352	12.71	3.61	2.56	0.73	1.27	0.36	623	176.99
50159	369	12.74	3.45	2.40	0.65	1.25	0.34	668	181.03
50160	349	12.52	3.59	2.57	0.74	1.10	0.32	562	161.03
50161	324	12.99	4.01	2.43	0.75	1.19	0.37	523	161.42
50162	376	14.00	3.72	2.43	0.65	1.23	0.33	872	231.91
n	12	12	12	12	12	12	12	12	12
Mean	356.0	12.755	3.582	2.353	0.663	1.223	0.344	647.2	181.458
S.D.	18.5	1.203	0.268	0.162	0.052	0.151	0.036	98.6	23.233

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
50151	243	65.15	100	26.81	20.3	5.44	17.6	4.72	129	34.58
50152	239	67.71	88	24.93	14.6	4.14	17.2	4.87	105	29.75
50153	379	100.80	76	20.21	12.1	3.22	17.7	4.71	102	27.13
50154	250	65.96	86	22.69	16.8	4.43	16.0	4.22	92	24.27
50155	245	74.02	71	21.45	13.7	4.14	16.0	4.83	106	32.02
50156	216	61.89	80	22.92	13.6	3.90	18.9	5.42	110	31.52
50157	335	98.24	79	23.17	13.1	3.84	15.4	4.52	117	34.31
50158	295	83.81	72	20.45	19.3	5.48	18.1	5.14	115	32.67
50159	333	90.24	81	21.95	15.1	4.09	18.9	5.12	104	28.18
50160	218	62.46	76	21.78	20.0	5.73	24.4	6.99	96	27.51
50161	176	54.32	91	28.09	16.1	4.97	13.4	4.14	110	33.95
50162	266	70.74	91	24.20	12.4	3.30	19.4	5.16	136	36.17
n	12	12	12	12	12	12	12	12	12	12
Mean	266.3	74.612	82.6	23.221	15.59	4.390	17.75	4.987	110.2	31.005
S.D.	58.6	15.141	8.7	2.420	2.93	0.839	2.71	0.737	12.7	3.634

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

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : IBMA 0 mg/kg			Species : Rat
Uterus		Brain			
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g	
50151	587	157.37	2.18	0.58	
50152	529	149.86	2.08	0.59	
50153	946	251.60	2.22	0.59	
50154	532	140.37	2.06	0.54	
50155	466	140.79	1.93	0.58	
50156	453	129.80	2.12	0.61	
50157	443	129.91	2.27	0.67	
50158	574	163.07	2.13	0.61	
50159	659	178.59	2.18	0.59	
50160	424	121.49	2.00	0.57	
50161	502	154.94	2.14	0.66	
50162	700	186.17	2.00	0.53	
n	12	12	12	12	
Mean	567.9	158.663	2.109	0.593	
S.D.	146.5	35.161	0.099	0.041	

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

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : IBMA 12 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50251	340	11.92	3.51	2.49	0.73	1.13	0.33	674	198.24
50252	368	14.02	3.81	2.27	0.62	1.26	0.34	563	152.99
50253	347	13.82	3.98	2.52	0.73	1.14	0.33	573	165.13
50254	363	13.37	3.68	2.54	0.70	1.26	0.35	632	174.10
50255	343	13.40	3.91	2.39	0.70	1.22	0.36	547	159.48
50256	334	13.46	4.03	2.23	0.67	1.11	0.33	645	193.11
50257	345	13.35	3.87	2.34	0.68	1.23	0.36	725	210.14
50258	326	11.92	3.66	2.14	0.66	1.11	0.34	583	178.83
50259	322	10.98	3.41	2.15	0.67	1.23	0.38	583	181.06
50260	342	12.13	3.55	2.29	0.67	1.34	0.39	692	202.34
50261	383	14.97	3.91	2.53	0.66	1.22	0.32	690	180.16
50262	304	11.42	3.76	2.05	0.67	1.10	0.36	568	186.84
n	12	12	12	12	12	12	12	12	12
Mean	343.1	12.897	3.757	2.328	0.680	1.196	0.349	622.9	181.868
S.D.	21.3	1.197	0.197	0.168	0.031	0.076	0.022	61.0	17.389

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	287	84.41	73	21.47	17.9	5.26	19.0	5.59	117	34.41
50252	307	83.42	85	23.10	11.6	3.15	20.3	5.52	99	26.90
50253	268	77.23	85	24.50	14.6	4.21	16.8	4.84	84	24.21
50254	338	93.11	81	22.31	13.4	3.69	17.1	4.71	102	28.10
50255	259	75.51	85	24.78	18.0	5.25	16.2	4.72	96	27.99
50256	219	65.57	79	23.65	19.8	5.93	20.9	6.26	132	39.52
50257	519	150.43	69	20.00	17.7	5.13	14.7	4.26	131	37.97
50258	243	74.54	69	21.17	14.8	4.54	21.8	6.69	78	23.93
50259	223	69.25	68	21.12	16.9	5.25	19.4	6.02	84	26.09
50260	259	75.73	84	24.56	16.1	4.71	14.7	4.30	99	28.95
50261	210	54.83	110	28.72	17.6	4.60	18.1	4.73	128	33.42
50262	217	71.38	84	27.63	11.4	3.75	15.6	5.13	96	31.58
n	12	12	12	12	12	12	12	12	12	12
Mean	279.1	81.284	81.0	23.584	15.82	4.623	17.88	5.231	103.8	30.256
S.D.	85.0	23.839	11.4	2.647	2.67	0.806	2.41	0.785	18.9	5.144

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

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : IBMA 12 mg/kg			Species : Rat
Uterus		Brain			
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g	
50251	618	181.76	2.22	0.65	
50252	548	148.91	1.93	0.52	
50253	474	136.60	2.22	0.64	
50254	485	133.61	2.16	0.60	
50255	734	213.99	2.00	0.58	
50256	682	204.19	1.99	0.60	
50257	510	147.83	2.06	0.60	
50258	485	148.77	2.12	0.65	
50259	383	118.94	2.00	0.62	
50260	499	145.91	2.17	0.63	
50261	677	176.76	2.23	0.58	
50262	442	145.39	2.11	0.69	
n	12	12	12	12	
Mean	544.8	158.555	2.101	0.613	
S.D.	108.6	29.133	0.103	0.044	

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

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : IBMA 40 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50351	340	12.00	3.53	2.35	0.69	1.25	0.37	523	153.82
50352	341	11.60	3.40	2.61	0.77	1.14	0.33	848	248.68
50353	340	11.93	3.51	2.45	0.72	1.21	0.36	570	167.65
50354	343	12.50	3.64	2.83	0.83	1.28	0.37	562	163.85
50355	334	11.85	3.55	2.37	0.71	1.19	0.36	636	190.42
50356	349	12.59	3.61	2.56	0.73	1.37	0.39	668	191.40
50357	364	13.84	3.80	2.62	0.72	1.19	0.33	711	195.33
50358	327	12.14	3.71	2.65	0.81	1.17	0.36	555	169.72
50359	341	12.13	3.56	2.07	0.61	1.16	0.34	636	186.51
50360	328	11.55	3.52	2.43	0.74	1.17	0.36	526	160.37
50361	334	12.36	3.70	2.57	0.77	1.20	0.36	681	203.89
50362	358	12.59	3.52	2.21	0.62	1.10	0.31	633	176.82
n	12	12	12	12	12	12	12	12	12
Mean	341.6	12.257	3.588	2.477	0.727	1.203	0.353	629.1	184.038
S.D.	11.1	0.610	0.109	0.208	0.066	0.071	0.022	92.6	25.598

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
50351	262	77.06	76	22.35	17.9	5.26	15.3	4.50	107	31.47
50352	232	68.04	63	18.48	13.3	3.90	13.9	4.08	95	27.86
50353	372	109.41	73	21.47	13.0	3.82	15.2	4.47	104	30.59
50354	283	82.51	86	25.07	14.9	4.34	14.5	4.23	102	29.74
50355	421	126.05	97	29.04	16.5	4.94	27.3	8.17	87	26.05
50356	296	84.81	86	24.64	17.3	4.96	11.9	3.41	95	27.22
50357	324	89.01	98	26.92	16.4	4.51	17.0	4.67	130	35.71
50358	196	59.94	100	30.58	21.3	6.51	19.0	5.81	97	29.66
50359	240	70.38	66	19.35	10.0	2.93	12.1	3.55	97	28.45
50360	237	72.26	88	26.83	16.0	4.88	17.6	5.37	60	18.29
50361	185	55.39	90	26.95	15.0	4.49	17.0	5.09	126	37.72
50362	280	78.21	75	20.95	15.5	4.33	11.3	3.16	107	29.89
n	12	12	12	12	12	12	12	12	12	12
Mean	277.3	81.089	83.2	24.386	15.59	4.573	16.01	4.709	100.6	29.388
S.D.	69.2	19.994	12.4	3.864	2.81	0.876	4.30	1.346	17.9	4.842

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

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : IBMA 40 mg/kg		Species : Rat
Uterus		Brain		
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g
50351	573	168.53	2.06	0.61
50352	550	161.29	2.08	0.61
50353	493	145.00	2.06	0.61
50354	518	151.02	2.10	0.61
50355	658	197.01	2.01	0.60
50356	693	198.57	2.26	0.65
50357	540	148.35	2.10	0.58
50358	462	141.28	2.26	0.69
50359	487	142.82	2.04	0.60
50360	607	185.06	2.26	0.69
50361	574	171.86	2.12	0.63
50362	499	139.39	2.15	0.60
n	12	12	12	12
Mean	554.5	162.515	2.125	0.623
S.D.	70.7	21.609	0.089	0.036

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

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : IBMA 120 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50451	323	12.67	3.92	2.10	0.65	1.11	0.34	595	184.21
50452	284 \$	8.39 \$	2.95 \$	2.15 \$	0.76 \$	1.13 \$	0.40 \$	437 \$	153.87 \$
50453	317	10.93	3.45	2.56	0.81	1.16	0.37	510	160.88
50454	269 #	8.14 #	3.03 #	2.11 #	0.78 #	1.00 #	0.37 #	406 #	150.93 #
50456	300 \$	8.66 \$	2.89 \$	2.12 \$	0.71 \$	0.92 \$	0.31 \$	500 \$	166.67 \$
50457	263 \$	7.82 \$	2.97 \$	2.00 \$	0.76 \$	0.88 \$	0.33 \$	470 \$	178.71 \$
50458	251 \$	7.57 \$	3.02 \$	1.95 \$	0.78 \$	0.98 \$	0.39 \$	426 \$	169.72 \$
50459	323	10.71	3.32	2.59	0.80	1.06	0.33	604	187.00
50460	315	13.48	4.28	2.51	0.80	1.12	0.36	483	153.33
50461	297	12.06	4.06	2.40	0.81	1.01	0.34	447	150.51
50462	325 #	10.06 #	3.10 #	2.13 #	0.66 #	1.11 #	0.34 #	502 #	154.46 #
n	5	5	5	5	5	5	5	5	5
Mean	315.0	11.970	3.806	2.432	0.774	1.092	0.348	527.8	167.186
S.D.	10.7	1.167	0.408	0.199	0.069	0.058	0.016	69.2	17.265

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
50451	209	64.71	76	23.53	14.6	4.52	17.2	5.33	95	29.41
50452	395 \$	139.08 \$	77 \$	27.11 \$	10.2 \$	3.59 \$	19.1 \$	6.73 \$	153 \$	53.87 \$
50453	323	101.89	70	22.08	16.2	5.11	22.1	6.97	86	27.13
50454	323 #	120.07 #	81 #	30.11 #	14.7 #	5.46 #	18.6 #	6.91 #	108 #	40.15 #
50456	372 \$	124.00 \$	78 \$	26.00 \$	15.6 \$	5.20 \$	21.2 \$	7.07 \$	117 \$	39.00 \$
50457	300 \$	114.07 \$	76 \$	28.90 \$	14.0 \$	5.32 \$	19.0 \$	7.22 \$	95 \$	36.12 \$
50458	272 \$	108.37 \$	52 \$	20.72 \$	9.5 \$	3.78 \$	17.2 \$	6.85 \$	85 \$	33.86 \$
50459	272	84.21	90	27.86	15.2	4.71	20.2	6.25	122	37.77
50460	197	62.54	86	27.30	13.2	4.19	22.8	7.24	115	36.51
50461	192	64.65	80	26.94	14.9	5.02	17.5	5.89	106	35.69
50462	367 #	112.92 #	73 #	22.46 #	13.2 #	4.06 #	17.0 #	5.23 #	110 #	33.85 #
n	5	5	5	5	5	5	5	5	5	5
Mean	238.6	75.600	80.4	25.542	14.82	4.710	19.96	6.336	104.8	33.302
S.D.	57.0	17.134	7.9	2.572	1.09	0.375	2.57	0.781	14.6	4.722

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

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

: Excepted data from calculation (whole litter loss)

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : IBMA 120 mg/kg			Species : Rat
Uterus		Brain			
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g	
50451	510	157.89	2.18	0.67	
50452	1229 \$	432.75 \$	2.19 \$	0.77 \$	
50453	567	178.86	2.10	0.66	
50454	505 #	187.73 #	2.13 #	0.79 #	
50456	410 \$	136.67 \$	2.15 \$	0.72 \$	
50457	1007 \$	382.89 \$	1.93 \$	0.73 \$	
50458	481 \$	191.63 \$	2.05 \$	0.82 \$	
50459	656	203.10	2.07	0.64	
50460	526	166.98	2.06	0.65	
50461	549	184.85	1.85	0.62	
50462	695 #	213.85 #	1.97 #	0.61 #	
n	5	5	5	5	
Mean	561.6	178.336	2.052	0.648	
S.D.	57.1	17.342	0.122	0.019	

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

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

: Excepted data from calculation (whole litter loss)

Organ weight Sex : Female (satellite)		Stage : Day 29 Dose : IBMA 0 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50551	282	7.22	2.56	2.00	0.71	0.97	0.34	572	202.84
50552	306	7.25	2.37	1.95	0.64	0.91	0.30	548	179.08
50553	278	7.32	2.63	1.90	0.68	0.84	0.30	747	268.71
50554	256	6.21	2.43	1.71	0.67	0.91	0.36	521	203.52
50555	284	6.79	2.39	1.74	0.61	0.89	0.31	601	211.62
n	5	5	5	5	5	5	5	5	5
Mean	281.2	6.958	2.476	1.860	0.662	0.904	0.322	597.8	213.154
S.D.	17.8	0.467	0.113	0.129	0.038	0.047	0.027	88.5	33.351

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	RE mg/100g
50551	404	143.26	66	23.40	17.0	6.03	16.5	5.85	78	27.66
50552	399	130.39	97	31.70	14.9	4.87	30.1	9.84	106	34.64
50553	289	103.96	68	24.46	17.9	6.44	19.3	6.94	100	35.97
50554	371	144.92	63	24.61	11.8	4.61	13.1	5.12	71	27.73
50555	426	150.00	74	26.06	16.7	5.88	21.6	7.61	82	28.87
n	5	5	5	5	5	5	5	5	5	5
Mean	377.8	134.506	73.6	26.046	15.66	5.566	20.12	7.072	87.4	30.974
S.D.	53.4	18.541	13.7	3.299	2.42	0.787	6.42	1.822	14.9	4.010

Uterus		Brain		
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g
50551	471	167.02	2.19	0.78
50552	535	174.84	2.00	0.65
50553	636	228.78	1.97	0.71
50554	406	158.59	2.11	0.82
50555	426	150.00	1.99	0.70
n	5	5	5	5
Mean	494.8	175.846	2.052	0.732
S.D.	93.2	31.011	0.094	0.068

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

Organ weight Sex : Female (satellite)		Stage : Day 29 Dose : IBMA 120 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50651	252	7.08	2.81	1.76	0.70	0.89	0.35	439	174.21
50652	278	8.37	3.01	2.07	0.74	0.96	0.35	529	190.29
50653	255	7.36	2.89	1.89	0.74	0.90	0.35	470	184.31
50654	280	8.17	2.92	2.40	0.86	0.96	0.34	383	136.79
50655	259	8.22	3.17	2.05	0.79	0.97	0.37	517	199.61
n	5	5	5	5	5	5	5	5	5
Mean	264.8	7.840	2.960	2.034	0.766	0.936	0.352	467.6	177.042
S.D.	13.2	0.579	0.137	0.240	0.061	0.038	0.011	59.6	24.320

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
50651	322	127.78	71	28.17	10.6	4.21	14.1	5.60	67	26.59
50652	340	122.30	81	29.14	11.9	4.28	18.4	6.62	85	30.58
50653	206	80.78	69	27.06	18.2	7.14	27.6	10.82	68	26.67
50654	338	120.71	91	32.50	16.6	5.93	23.8	8.50	71	25.36
50655	308	118.92	85	32.82	20.1	7.76	20.2	7.80	63	24.32
n	5	5	5	5	5	5	5	5	5	5
Mean	302.8	114.098	79.4	29.938	15.48	5.864	20.82	7.868	70.8	26.704
S.D.	55.7	18.918	9.3	2.594	4.08	1.618	5.15	1.989	8.4	2.373

Animal No.	Uterus		Brain	
	AB mg	RE mg/100g	AB g	RE g/100g
50651	341	135.32	2.00	0.79
50652	399	143.53	2.05	0.74
50653	513	201.18	2.10	0.82
50654	426	152.14	2.11	0.75
50655	485	187.26	1.96	0.76
n	5	5	5	5
Mean	432.8	163.886	2.044	0.772
S.D.	68.5	28.747	0.064	0.033

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

Organ weight Sex : Male		Stage : Recovery Day 15 Dose : IBMA 0 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10103	471	10.23	2.17	3.10	0.66	1.50	0.32	658	139.70
10106	519	12.59	2.43	3.30	0.64	1.46	0.28	639	123.12
10109	463	10.73	2.32	3.11	0.67	1.56	0.34	769	166.09
10110	464	11.29	2.43	3.02	0.65	1.22	0.26	709	152.80
10111	501	12.11	2.42	3.22	0.64	1.54	0.31	749	149.50
n	5	5	5	5	5	5	5	5	5
Mean	483.6	11.390	2.354	3.150	0.652	1.456	0.302	704.8	146.242
S.D.	25.1	0.968	0.113	0.110	0.013	0.137	0.032	56.2	16.008

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
10103	304	64.54	78	16.56	13.7	2.91	26.4	5.61	2.90	0.62
10106	293	56.45	63	12.14	10.2	1.97	23.7	4.57	3.19	0.61
10109	362	78.19	53	11.45	12.2	2.63	31.6	6.83	3.40	0.73
10110	263	56.68	56	12.07	13.2	2.84	21.7	4.68	3.18	0.69
10111	360	71.86	61	12.18	11.1	2.22	21.4	4.27	2.96	0.59
n	5	5	5	5	5	5	5	5	5	5
Mean	316.4	65.544	62.2	12.880	12.08	2.514	24.96	5.192	3.126	0.648
S.D.	43.4	9.514	9.7	2.079	1.45	0.406	4.21	1.044	0.200	0.059

Animal No.	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
10103	1.30	0.28	782	166.03	2.69	0.57	2.21	0.47
10106	1.29	0.25	653	125.82	2.55	0.49	2.10	0.40
10109	1.41	0.30	634	136.93	2.73	0.59	2.16	0.47
10110	1.38	0.30	709	152.80	2.30	0.50	2.06	0.44
10111	1.43	0.29	802	160.08	2.15	0.43	2.14	0.43
n	5	5	5	5	5	5	5	5
Mean	1.362	0.284	716.0	148.332	2.484	0.516	2.134	0.442
S.D.	0.064	0.021	75.0	16.643	0.251	0.065	0.057	0.029

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

Organ weight Sex : Male		Stage : Recovery Day 15 Dose : IBMA 120 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10402	487	12.77	2.62	3.55	0.73	1.48	0.30	612	125.67
10405	474	11.62	2.45	3.05	0.64	1.40	0.30	757	159.70
10408	431	10.88	2.52	3.18	0.74	1.39	0.32	899	208.58
10410	496	13.85	2.79	3.44	0.69	1.42	0.29	736	148.39
10412	494	11.99	2.43	3.81	0.77	1.47	0.30	710	143.72
n	5	5	5	5	5	5	5	5	5
Mean	476.4	12.222	2.562	3.406	0.714	1.432	0.302	742.8	157.212
S.D.	26.8	1.137	0.148	0.301	0.050	0.041	0.011	103.5	31.223

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
10402	339	69.61	72	14.78	9.8	2.01	26.9	5.52	3.47	0.71
10405	326	68.78	56	11.81	9.6	2.03	28.8	6.08	3.85	0.81
10408	472	109.51	63	14.62	11.7	2.71	20.8	4.83	3.38	0.78
10410	545	109.88	60	12.10	10.7	2.16	21.4	4.31	3.18	0.64
10412	409	82.79	74	14.98	11.5	2.33	32.6	6.60	3.38	0.68
n	5	5	5	5	5	5	5	5	5	5
Mean	418.2	88.114	65.0	13.658	10.66	2.248	26.10	5.468	3.452	0.724
S.D.	92.0	20.470	7.7	1.563	0.96	0.288	5.01	0.923	0.247	0.070

Animal No.	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
10402	1.45	0.30	492	101.03	2.91	0.60	2.13	0.44
10405	1.33	0.28	762	160.76	2.60	0.55	2.32	0.49
10408	1.33	0.31	778	180.51	2.80	0.65	2.19	0.51
10410	1.37	0.28	764	154.03	2.64	0.53	2.12	0.43
10412	1.33	0.27	982	198.79	2.90	0.59	2.26	0.46
n	5	5	5	5	5	5	5	5
Mean	1.362	0.288	755.6	159.024	2.770	0.584	2.204	0.466
S.D.	0.052	0.016	174.2	36.859	0.144	0.047	0.086	0.034

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

Organ weight Sex : Female (satellite)		Stage : Recovery Day 15 Dose : IBMA 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	290	6.97	2.40	2.00	0.69	0.92	0.32	458	157.93	
50557	311	7.70	2.48	1.96	0.63	0.94	0.30	621	199.68	
50558	305	8.22	2.70	1.87	0.61	0.94	0.31	611	200.33	
50559	282	7.22	2.56	1.77	0.63	0.88	0.31	435	154.26	
50560	318	9.09	2.86	1.87	0.59	1.01	0.32	533	167.61	
n	5	5	5	5	5	5	5	5	5	
Mean	301.2	7.840	2.600	1.894	0.630	0.938	0.312	531.6	175.962	
S.D.	14.9	0.847	0.183	0.090	0.037	0.047	0.008	85.2	22.485	
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
50556	424	146.21	81	27.93	16.9	5.83	20.6	7.10	119	41.03
50557	323	103.86	88	28.30	18.0	5.79	19.1	6.14	107	34.41
50558	293	96.07	84	27.54	14.3	4.69	22.3	7.31	124	40.66
50559	238	84.40	75	26.60	15.0	5.32	16.6	5.89	79	28.01
50560	346	108.81	80	25.16	18.9	5.94	20.4	6.42	91	28.62
n	5	5	5	5	5	5	5	5	5	5
Mean	324.8	107.870	81.6	27.106	16.62	5.514	19.80	6.572	104.0	34.546
S.D.	68.6	23.329	4.8	1.259	1.95	0.518	2.12	0.612	18.9	6.271
Animal No.	Uterus		Brain							
	AB mg	RE mg/100g	AB g	RE g/100g						
50556	392	135.17	2.10	0.72						
50557	513	164.95	2.11	0.68						
50558	580	190.16	2.00	0.66						
50559	452	160.28	2.04	0.72						
50560	772	242.77	2.06	0.65						
n	5	5	5	5						
Mean	541.8	178.666	2.062	0.686						
S.D.	146.4	40.803	0.045	0.033						

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

Organ weight Sex : Female (satellite)		Stage : Recovery Day 15 Dose : IBMA 120 mg/kg						Species : Rat		
Animal No.	Body weight	Liver		Kidney		Heart		Spleen		
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g	
50656	274	7.33	2.68	1.95	0.71	0.84	0.31	588	214.60	
50657	292	6.74	2.31	1.76	0.60	0.85	0.29	512	175.34	
50658	256	6.68	2.61	1.73	0.68	0.85	0.33	466	182.03	
50659	275	7.24	2.63	2.20	0.80	1.09	0.40	547	198.91	
50660	289	8.66	3.00	2.19	0.76	0.98	0.34	545	188.58	
n	5	5	5	5	5	5	5	5	5	
Mean	277.2	7.330	2.646	1.966	0.710	0.922	0.334	531.6	191.892	
S.D.	14.3	0.798	0.245	0.225	0.077	0.110	0.042	45.5	15.388	
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
50656	369	134.67	84	30.66	13.2	4.82	11.3	4.12	112	40.88
50657	479	164.04	66	22.60	13.1	4.49	16.2	5.55	103	35.27
50658	363	141.80	75	29.30	14.6	5.70	15.7	6.13	85	33.20
50659	236	85.82	75	27.27	14.6	5.31	18.2	6.62	97	35.27
50660	343	118.69	92	31.83	17.8	6.16	17.1	5.92	100	34.60
n	5	5	5	5	5	5	5	5	5	5
Mean	358.0	129.004	78.4	28.332	14.66	5.296	15.70	5.668	99.4	35.844
S.D.	86.5	29.132	9.9	3.625	1.90	0.668	2.64	0.948	9.8	2.939
Animal No.	Uterus		Brain							
	AB mg	RE mg/100g	AB g	RE g/100g						
50656	522	190.51	1.81	0.66						
50657	451	154.45	1.85	0.63						
50658	450	175.78	2.10	0.82						
50659	591	214.91	2.12	0.77						
50660	479	165.74	2.12	0.73						
n	5	5	5	5						
Mean	498.6	180.278	2.000	0.722						
S.D.	59.4	23.467	0.156	0.078						

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

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10101		
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, 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 : IBMA	Dose : 0 mg/kg	Animal No. : 10102		
Heart				
Findings : Finding present				
Infiltration, inflammatory cell, focal				
Slight				
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, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10104		
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Eyeball				
Findings : Finding present				
Atrophy, retina, focal				
Mild				
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, Harderian gland, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10105		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
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, 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, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10107		
Heart				
Findings : Finding present				
Infiltration, inflammatory cell, focal				
Slight				
Eyeball				
Findings : Finding present				
Atrophy, retina, focal				
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			

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10108		
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
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, 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, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 10112		
Prostate				
Findings : Finding present				
Inflammation, interstitium				
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, 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, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Day 29	Species : Rat
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10401		
Eyeball				
Findings : Finding present				
Atrophy, retina, focal				
Mild				
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, 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 : IBMA	Dose : 120 mg/kg	Animal No. : 10403		
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, 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, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10404		
Kidney				
Findings : Finding present				
Cast, hyaline				
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, 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
Sex : Male				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10406	Infertility	
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, 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, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10407	Infertility	
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, 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, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 10409		
Epididymis				
Findings : Finding present				
Infiltration, inflammatory cell, interstitium				
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, 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 : IBMA	Dose : 120 mg/kg	Animal No. : 10411		
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, 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			

Histopathological findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50151		
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 : IBMA	Dose : 0 mg/kg	Animal No. : 50152		
Kidney				
Findings : Finding present				
Infiltration, inflammatory cell, renal pelvic mucosa				
Slight				
Finding Comment : unilateral : left				
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, 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 : IBMA	Dose : 0 mg/kg	Animal No. : 50153		
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, Thyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50154		
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, Thyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50155		
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 : IBMA	Dose : 0 mg/kg	Animal No. : 50156		
Thymus				
Findings : Finding present				
Remnant, epithelial cell				
Slight				
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
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, 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			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50157		
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, Thyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50158		
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 : IBMA	Dose : 0 mg/kg	Animal No. : 50159		
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 parturition	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50160		
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 : IBMA	Dose : 0 mg/kg	Animal No. : 50161		
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				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50162		
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			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50451		
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, 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 : IBMA	Dose : 120 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 : IBMA	Dose : 120 mg/kg	Animal No. : 50454		
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 : IBMA	Dose : 120 mg/kg	Animal No. : 50455	Euthanized on lactation day 1	
Thymus				
Findings : Finding present				
Atrophy				
Moderate				
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				

Histopathological findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50459		
Stomach				
Findings : Finding present				
Ulcer, glandular stomach				
Mild				
Thymus				
Findings : Finding present				
Remnant, epithelial cell				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, 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 : IBMA	Dose : 120 mg/kg	Animal No. : 50460		
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 : IBMA	Dose : 120 mg/kg	Animal No. : 50461		
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, Thyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : IBMA	Dose : 120 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			Stage : Non-pregnancy	Species : Rat
Sex : Female				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50452		
Lung	Findings : Finding present			
	Accumulation, macrophage, alveolar			
	Slight			
Eyeball	Findings : Finding present			
	Dysplasia, retina			
	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, Thyroid, Parathyroid, Adrenal, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50456		
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 : IBMA	Dose : 120 mg/kg	Animal No. : 50457		
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 : IBMA	Dose : 120 mg/kg	Animal No. : 50458		
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			

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Female (satellite)				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50551		
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				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50552		
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 : IBMA	Dose : 0 mg/kg	Animal No. : 50553		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
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				

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Female (satellite)				
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50554		
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, Thyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : IBMA	Dose : 0 mg/kg	Animal No. : 50555		
Pituitary gland				
Findings : Finding present				
Remnant, craniopharyngeal duct				
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, 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 29	Species : Rat
Sex : Female (satellite)				
Test article : IBMA	Dose : 120 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 : IBMA	Dose : 120 mg/kg	Animal No. : 50652		
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, 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 : IBMA	Dose : 120 mg/kg	Animal No. : 50653		
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 29	Species : Rat
Sex : Female (satellite)				
Test article : IBMA	Dose : 120 mg/kg	Animal No. : 50654		
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 : IBMA	Dose : 120 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 : IBMA	Dose : 120 mg/kg	Animal No. : 10402	Infertility	
Heart				
Findings : Finding present				
Infiltration, inflammatory cell, focal				
Slight				
Eyeball				
Findings : Finding present				
Atrophy, retina, diffuse				
Mild				
Finding Comment : bilateral				
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 : IBMA	Dose : 120 mg/kg	Animal No. : 10408	Infertility	
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, 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				

Animal No.	Estrous cycles and copulation														Dose : IBMA 0 mg/kg			Species : Rat		
	Generation : F0																			
	/Before mating (day)														Length of estrous cycle					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	(days)			Mean	Number of estrus	Animal with acyclic or irregular cycle
50151	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50152	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50153	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50154	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50155	D	P	E	M	D	P	E	M	D	P	E	E	M	D	4	4		4.0	3	-
50156	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50157	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50158	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50159	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50160	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50161	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50162	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	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														Dose : IBMA 12 mg/kg			Species : Rat		
	Generation : F0																			
	/Before mating (day)														Length of estrous cycle					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	(days)			Mean	Number of estrus	Animal with acyclic or irregular cycle
50251	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50252	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50253	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50254	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50255	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50256	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50257	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50258	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50259	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50260	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50261	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50262	E	M	D	P	E	M	D	P	E	M	D	P	E	M	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

Animal No.	Estrous cycles and copulation														Dose : IBMA 40 mg/kg			Species : Rat		
	Generation : F0																			
	/Before mating (day)														Length of estrous cycle					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	(days)			Mean	Number of estrus	Animal with acyclic or irregular cycle
50351	E	M	D	P	E	M	D	P	E	M	D	P	E	M	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	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50355	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50356	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50357	M	D	P	E	M	D	D	P	E	M	D	P	E	M	5	4		4.5	3	-
50358	P	E	E	M	D	P	E	M	D	D	P	E	E	M	5	5		5.0	3	-
50359	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50360	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50361	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50362	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	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														Dose : IBMA 120 mg/kg			Species : Rat		
	Generation : F0																			
	/Before mating (day)														Length of estrous cycle					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	(days)			Mean	Number of estrus	Animal with acyclic or irregular cycle
50451	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50452	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50453	D	P	E	M	D	P	E	M	D	P	E	M	D	P	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	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50456	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50457	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50458	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50459	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50460	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50461	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50462	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	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													
	Generation : F0													
	Dose : IBMA 0 mg/kg													
	Species : Rat													
	/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	D	D	D	P	E		
	N	N	N	N	N	N	N	N	N	N	N	Y		
50152	D	P	E											
	N	N	Y											
50153	E													
	Y													
50154	D	P	E											
	N	N	Y											
50155	P	E												
	N	Y												
50156	D	P	E											
	N	N	Y											
50157	P	E												
	N	Y												
50158	D	P	E											
	N	N	Y											
50159	E													
	Y													
50160	D	P	E											
	N	N	Y											
50161	E													
	Y													
50162	E													
	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 : IBMA 12 mg/kg														
Species : Rat														
Animal No.	/1st mating (times)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
50251	E													
	Y													
50252	M	D	P	E										
	N	N	N	Y										
50253	D	P	E											
	N	N	Y											
50254	P	E												
	N	Y												
50255	D	P	E											
	N	N	Y											
50256	M	D	D	D	D	D	D	D	D	D	D	P	E	
	N	N	N	N	N	N	N	N	N	N	N	N	Y	
50257	E													
	Y													
50258	D	P	E											
	N	N	Y											
50259	E													
	Y													
50260	E													
	Y													
50261	D	P	E											
	N	N	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 : IBMA 40 mg/kg														
Species : Rat														
Animal No.	/1st mating (times)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
50351	D	P	E											
	N	N	Y											
50352	D	P	E											
	N	N	Y											
50353	P	E												
	N	Y												
50354	E													
	Y													
50355	P	E												
	N	Y												
50356	E													
	Y													
50357	D	P	P	E										
	N	N	N	Y										
50358	D	P	E											
	N	N	Y											
50359	E													
	Y													
50360	M	D	P	E										
	N	N	N	Y										
50361	D	P	E											
	N	N	Y											
50362	E													
	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 : IBMA 120 mg/kg	Species : Rat
	/1st mating (times)															
Animal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
50451	M	D	P	E												
	N	N	N	Y												
50452	P	E														
	N	Y														
50453	E															
	Y															
50454	M	D	P	E												
	N	N	N	Y												
50455	E															
	Y															
50456	D	P	E													
	N	N	Y													
50457	D	P	E													
	N	N	Y													
50458	M	D	P	E												
	N	N	N	Y												
50459	P	E														
	N	Y														
50460	D	P	E	M	D	P	E									
	N	N	N	N	N	N	Y									
50461	E															
	Y															
50462	P	E														
	N	Y														

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus
Lower / Y : Completion in copulation, N : Incompletion in copulation

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

Lower / Y : Completion in copulation, N : Incompletion in copulation

Reproductive performance										
Generation : F0		Sex : Male		Dose : IBMA 0 mg/kg				Species : Rat		
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
10101	12	50151	+	+	///	///	///	+	+	
10102	3	50152	+	+	///	///	///	+	+	
10103	1	50153	+	+	///	///	///	+	+	
10104	3	50154	+	+	///	///	///	+	+	
10105	2	50155	+	+	///	///	///	+	+	
10106	3	50156	+	+	///	///	///	+	+	
10107	2	50157	+	+	///	///	///	+	+	
10108	3	50158	+	+	///	///	///	+	+	
10109	1	50159	+	+	///	///	///	+	+	
10110	3	50160	+	+	///	///	///	+	+	
10111	1	50161	+	+	///	///	///	+	+	
10112	1	50162	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	2.9									
S.D.	3.0									
No. of positives			12	12				12	12	
%			100.0	100.0				100.0	100.0	

/// : No need to input/measure

Reproductive performance										
Generation : F0		Sex : Male		Dose : IBMA 12 mg/kg					Species : Rat	
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
10201	1	50251	+	+	///	///	///	+	+	
10202	4	50252	+	+	///	///	///	+	+	
10203	3	50253	+	+	///	///	///	+	+	
10204	2	50254	+	+	///	///	///	+	+	
10205	3	50255	+	+	///	///	///	+	+	
10206	13	50256	+	+	///	///	///	+	+	
10207	1	50257	+	+	///	///	///	+	+	
10208	3	50258	+	+	///	///	///	+	+	
10209	1	50259	+	+	///	///	///	+	+	
10210	1	50260	+	+	///	///	///	+	+	
10211	3	50261	+	+	///	///	///	+	+	
10212	3	50262	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	3.2									
S.D.	3.3									
No. of positives			12	12				12	12	
%			100.0	100.0				100.0	100.0	

/// : No need to input/measure

Reproductive performance										
Generation : F0		Sex : Male		Dose : IBMA 40 mg/kg					Species : Rat	
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
10301	3	50351	+	+	///	///	///	+	+	
10302	3	50352	+	+	///	///	///	+	+	
10303	2	50353	+	+	///	///	///	+	+	
10304	1	50354	+	+	///	///	///	+	+	
10305	2	50355	+	+	///	///	///	+	+	
10306	1	50356	+	+	///	///	///	+	+	
10307	4	50357	+	+	///	///	///	+	+	
10308	3	50358	+	+	///	///	///	+	+	
10309	1	50359	+	+	///	///	///	+	+	
10310	4	50360	+	+	///	///	///	+	+	
10311	3	50361	+	+	///	///	///	+	+	
10312	1	50362	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	2.3									
S.D.	1.2									
No. of positives			12	12				12	12	
%			100.0	100.0				100.0	100.0	

/// : No need to input/measure

Reproductive performance										
Generation : F0		Sex : Male		Dose : IBMA 120 mg/kg				Species : Rat		
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
10401	4	50451	+	+	///	///	///	+	+	
10402	2	50452	+	-	///	///	///	+	-	
10403	1	50453	+	+	///	///	///	+	+	
10404	4	50454	+	+	///	///	///	+	+	
10405	1	50455	+	+	///	///	///	+	+	
10406	3	50456	+	-	///	///	///	+	-	
10407	3	50457	+	-	///	///	///	+	-	
10408	4	50458	+	-	///	///	///	+	-	
10409	2	50459	+	+	///	///	///	+	+	
10410	7	50460	+	+	///	///	///	+	+	
10411	1	50461	+	+	///	///	///	+	+	
10412	2	50462	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	2.8									
S.D.	1.7									
No. of positives			12	8				12	8	
%			100.0	66.7				100.0	66.7	

/// : No need to input/measure

Reproductive performance									
Generation : F0		Sex : Female		Dose : IBMA 0 mg/kg				Species : Rat	
Animal No.	Day of conceiving	1st mating			2nd mating			Total	
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility
50151	12	10101	+	+	///	///	///	+	+
50152	3	10102	+	+	///	///	///	+	+
50153	1	10103	+	+	///	///	///	+	+
50154	3	10104	+	+	///	///	///	+	+
50155	2	10105	+	+	///	///	///	+	+
50156	3	10106	+	+	///	///	///	+	+
50157	2	10107	+	+	///	///	///	+	+
50158	3	10108	+	+	///	///	///	+	+
50159	1	10109	+	+	///	///	///	+	+
50160	3	10110	+	+	///	///	///	+	+
50161	1	10111	+	+	///	///	///	+	+
50162	1	10112	+	+	///	///	///	+	+
n	12		12	12		0	0	12	12
Mean	2.9								
S.D.	3.0								
No. of positives			12	12				12	12
%			100.0	100.0				100.0	100.0

/// : No need to input/measure

Reproductive performance									
Generation : F0		Sex : Female		Dose : IBMA 12 mg/kg				Species : Rat	
Animal No.	Day of conceiving	1st mating			2nd mating			Total	
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility
50251	1	10201	+	+	///	///	///	+	+
50252	4	10202	+	+	///	///	///	+	+
50253	3	10203	+	+	///	///	///	+	+
50254	2	10204	+	+	///	///	///	+	+
50255	3	10205	+	+	///	///	///	+	+
50256	13	10206	+	+	///	///	///	+	+
50257	1	10207	+	+	///	///	///	+	+
50258	3	10208	+	+	///	///	///	+	+
50259	1	10209	+	+	///	///	///	+	+
50260	1	10210	+	+	///	///	///	+	+
50261	3	10211	+	+	///	///	///	+	+
50262	3	10212	+	+	///	///	///	+	+
n	12		12	12		0	0	12	12
Mean	3.2								
S.D.	3.3								
No. of positives			12	12				12	12
%			100.0	100.0				100.0	100.0

/// : No need to input/measure

Reproductive performance										
Generation : F0		Sex : Female		Dose : IBMA 40 mg/kg				Species : Rat		
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
50351	3	10301	+	+	///	///	///	+	+	
50352	3	10302	+	+	///	///	///	+	+	
50353	2	10303	+	+	///	///	///	+	+	
50354	1	10304	+	+	///	///	///	+	+	
50355	2	10305	+	+	///	///	///	+	+	
50356	1	10306	+	+	///	///	///	+	+	
50357	4	10307	+	+	///	///	///	+	+	
50358	3	10308	+	+	///	///	///	+	+	
50359	1	10309	+	+	///	///	///	+	+	
50360	4	10310	+	+	///	///	///	+	+	
50361	3	10311	+	+	///	///	///	+	+	
50362	1	10312	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	2.3									
S.D.	1.2									
No. of positives			12	12				12	12	
%			100.0	100.0				100.0	100.0	

/// : No need to input/measure

Reproductive performance										
Generation : F0		Sex : Female		Dose : IBMA 120 mg/kg				Species : Rat		
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
50451	4	10401	+	+	///	///	///	+	+	
50452	2	10402	+	-	///	///	///	+	-	
50453	1	10403	+	+	///	///	///	+	+	
50454	4	10404	+	+	///	///	///	+	+	
50455	1	10405	+	+	///	///	///	+	+	
50456	3	10406	+	-	///	///	///	+	-	
50457	3	10407	+	-	///	///	///	+	-	
50458	4	10408	+	-	///	///	///	+	-	
50459	2	10409	+	+	///	///	///	+	+	
50460	7	10410	+	+	///	///	///	+	+	
50461	1	10411	+	+	///	///	///	+	+	
50462	2	10412	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	2.8									
S.D.	1.7									
No. of positives			12	8				12	8	
%			100.0	66.7				100.0	66.7	

/// : No need to input/measure

Delivery data					Species : Rat						
Generation : F0					Dose : IBMA 0 mg/kg						
Dam No.	Gestation length (day)	Number of implan- tation	Delivery index (%)	Number of offspring	Number of live newborns			Number of dead newborns			
					M	F	Total	M	F	U	Total
50151	22	17(9/8)	100.0	17	6	11	17	0	0	0	0
50152	23	17(9/8)	94.1	16	10	6	16	0	0	0	0
50153	22	18(8/10)	88.9	16	8	8	16	0	0	0	0
50154	22	15(9/6)	93.3	14	11	3	14	0	0	0	0
50155	22	16(8/8)	93.8	15	7	8	15	0	0	0	0
50156	22	18(7/11)	88.9	16	11	4	15	0	1	0	1
50157	22	14(8/6)	100.0	14	8	6	14	0	0	0	0
50158	23	15(6/9)	100.0	15	9	6	15	0	0	0	0
50159	22	16(9/7)	93.8	15	8	7	15	0	0	0	0
50160	23	20(8/12)	100.0	20	8	12	20	0	0	0	0
50161	22	20(10/10)	55.0	11	7	4	11	0	0	0	0
50162	22	17(10/7)	100.0	17	11	6	17	0	0	0	0
n	12	12	12	12	12	12	12	12	12	12	12
Mean	22.25	16.9	92.32	15.5	8.7	6.8	15.4	0.0	0.1	0.0	0.1
S.D.	0.45	1.9	12.50	2.2	1.7	2.7	2.2	0.0	0.3	0.0	0.3

(/) : Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data					Species : Rat						
Generation : F0					Dose : IBMA 12 mg/kg						
Dam No.	Gestation length (day)	Number of implan- tation	Delivery index (%)	Number of offspring	Number of live newborns			Number of dead newborns			
					M	F	Total	M	F	U	Total
50251	22	13(8/5)	100.0	13	10	3	13	0	0	0	0
50252	22	15(9/6)	93.3	14	6	8	14	0	0	0	0
50253	23	14(11/3)	92.9	13	9	4	13	0	0	0	0
50254	22	15(7/8)	100.0	15	10	5	15	0	0	0	0
50255	22	16(8/8)	93.8	15	6	9	15	0	0	0	0
50256	22	16(7/9)	93.8	15	11	4	15	0	0	0	0
50257	22	18(10/8)	88.9	16	4	12	16	0	0	0	0
50258	22	14(10/4)	92.9	13	8	5	13	0	0	0	0
50259	22	13(7/6)	69.2	9	3	6	9	0	0	0	0
50260	22	15(6/9)	93.3	14	8	6	14	0	0	0	0
50261	22	18(7/11)	100.0	18	4	14	18	0	0	0	0
50262	22	17(7/10)	100.0	17	7	10	17	0	0	0	0
n	12	12	12	12	12	12	12	12	12	12	12
Mean	22.08	15.3	93.18	14.3	7.2	7.2	14.3	0.0	0.0	0.0	0.0
S.D.	0.29	1.7	8.42	2.3	2.6	3.5	2.3	0.0	0.0	0.0	0.0

(/) : Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data Generation : F0					Dose : IBMA 40 mg/kg			Species : Rat			
Dam No.	Gestation length (day)	Number of implantation	Delivery index (%)	Number of offspring	Number of live newborns			Number of dead newborns			
					M	F	Total	M	F	U	Total
50351	22	15(4/11)	86.7	13	9	4	13	0	0	0	0
50352	23	17(9/8)	100.0	17	8	8	16	1	0	0	1
50353	22	15(5/10)	93.3	14	6	8	14	0	0	0	0
50354	22	17(5/12)	94.1	16	9	7	16	0	0	0	0
50355	23	18(9/9)	100.0	18	8	6	14	2	2	0	4
50356	22	13(6/7)	92.3	12	5	7	12	0	0	0	0
50357	23	14(9/5)	100.0	14	7	7	14	0	0	0	0
50358	22	19(8/11)	89.5	17	8	9	17	0	0	0	0
50359	23	17(8/9)	88.2	15	9	6	15	0	0	0	0
50360	22	19(9/10)	94.7	18	10	7	17	0	1	0	1
50361	22	18(10/8)	100.0	18	8	10	18	0	0	0	0
50362	23	18(8/10)	94.4	17	8	9	17	0	0	0	0
n	12	12	12	12	12	12	12	12	12	12	12
Mean	22.42	16.7	94.43	15.8	7.9	7.3	15.3	0.3	0.3	0.0	0.5
S.D.	0.51	2.0	4.80	2.1	1.4	1.6	1.9	0.6	0.6	0.0	1.2

(/) : Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data					Species : Rat							
Generation : F0					Dose : IBMA 120 mg/kg							
Dam No.	Gestation length (day)	Number of implan-tation	Delivery index (%)	Number of offspring	Number of live newborns			Number of dead newborns				
					M	F	Total	M	F	U	Total	
50451	22	7(2/5)	100.0	7	3	4	7	0	0	0	0	
50453	23	17(4/13)	76.5	13	7	4	11	0	2	0	2	
50454	23	17(11/6)	94.1	16	8	7	15	1	0	0	1	
50455	23	22(11/11)	95.5	21	8	11	19	1	1	0	2	
50459	22	16(9/7)	93.8	15	7	8	15	0	0	0	0	
50460	23	10(2/8)	90.0	9	4	5	9	0	0	0	0	
50461	22	17(10/7)	94.1	16	9	7	16	0	0	0	0	
50462	23	16(8/8)	100.0	16	9	2	11	3	2	0	5	
n	8	8	8	8	8	8	8	8	8	8	8	
Mean	22.63	15.3	93.00	14.1	6.9	6.0	12.9	0.6	0.6	0.0	1.3	
S.D.	0.52	4.7	7.45	4.4	2.2	2.8	4.0	1.1	0.9	0.0	1.8	

(/) : 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 : IBMA 0 mg/kg	Species : Rat
Dam No.	Number of offspring examined	/Findings	
50151	17	No anomaly	
50152	16	No anomaly	
50153	16	No anomaly	
50154	14	No anomaly	
50155	15	No anomaly	
50156	15	No anomaly	
50157	14	No anomaly	
50158	15	No anomaly	
50159	15	No anomaly	
50160	20	No anomaly	
50161	11	No anomaly	
50162	17	No anomaly	
Total	185		
n	12		
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 : IBMA 12 mg/kg		Species : Rat
Dam No.	Number of offspring examined	/Findings		
50251	13	No anomaly		
50252	14	No anomaly		
50253	13	No anomaly		
50254	15	No anomaly		
50255	15	No anomaly		
50256	15	No anomaly		
50257	16	No anomaly		
50258	13	No anomaly		
50259	9	No anomaly		
50260	14	No anomaly		
50261	18	No anomaly		
50262	17	No anomaly		
Total	172			
n	12			
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 : IBMA 40 mg/kg	Species : Rat
Dam No.	Number of offspring examined	/Findings	
50351	13	No anomaly	
50352	16	No anomaly	
50353	14	No anomaly	
50354	16	No anomaly	
50355	14	No anomaly	
50356	12	No anomaly	
50357	14	No anomaly	
50358	17	No anomaly	
50359	15	No anomaly	
50360	17	No anomaly	
50361	18	No anomaly	
50362	17	No anomaly	
Total	183		
n	12		
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 : IBMA 120 mg/kg	Species : Rat
Dam No.	Number of offspring examined	/Findings	
50451	7	No anomaly	
50453	11	No anomaly	
50454	15	No anomaly	
50455	19	No anomaly	
50459	15	No anomaly	
50460	9	No anomaly	
50461	16	No anomaly	
50462	11	No anomaly	
Total	103		
n	8		
Mean			
S.D.			
Mean : Average of incidence (%)			

Clinical signs of offspring			Dose : IBMA 0 mg/kg											Species : Rat
Generation : F1														
Dam No.	Number of offspring	/Postnatal Day	0	1	2	3	4	5	6	7	8	9	10	11
50151	Alive :	Male	6	6	6	6	6	4	4	4	4	4	4	4
		Female	11	11	11	11	11	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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		6/11	6/11	6/11	6/11	6/11	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50152	Alive :	Male	10	10	10	10	10	4	4	4	4	4	4	4
		Female	6	6	6	6	5	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	10/5	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50153	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4
		Female	8	8	8	8	8	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	4/4	
50154	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	
50155	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	4
		Female	8	8	8	8	8	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	7/8	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50156	Alive :	Male	11	11	11	11	11	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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		11/4	11/4	11/4	11/4	11/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring			Dose : IBMA 0 mg/kg											Species : Rat	
Generation : F1															
Dam No.	Number of offspring		/Postnatal Day												
			0	1	2	3	4	5	6	7	8	9	10	11	
50157	Alive :	Male	8	8	8	8	8	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	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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
50158	Alive :	Male	9	9	9	9	9	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	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	4/4
50159	Alive :	Male	8	8	8	8	8	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	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	8/7	8/7	8/7	8/7	8/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50160	Alive :	Male	8	8	8	8	7	4	4	4	4	4	4	4	
		Female	12	12	12	12	12	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	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	8/12	8/12	8/12	8/12	7/12	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50161	Alive :	Male	7	7	7	7	7	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	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	7/4	7/4	7/4	7/4	7/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50162	Alive :	Male	11	11	11	11	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	1/0/0	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	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	10/6	4/4	4/4	4/4	4/4	4/4	4/4	4/4

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : IBMA 0 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/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	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50152	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50153	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50154	Alive : Male	5	5	
	Female	3	3	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	5/3	5/3	
50155	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50156	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : IBMA 0 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		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	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50158	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50159	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50160	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50161	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50162	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring			Dose : IBMA 12 mg/kg											Species : Rat	
Generation : F1															
Dam No.	Number of offspring		/Postnatal Day												
			0	1	2	3	4	5	6	7	8	9	10	11	
50251	Alive :	Male	10	10	10	10	10	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	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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		10/3	10/3	10/3	10/3	10/3	5/3	5/3	5/3	5/3	5/3	5/3	5/3		
50252	Alive :	Male	6	6	6	6	6	4	4	4	4	4	4	4	
		Female	8	8	8	8	8	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	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	4/4		
50253	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	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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		
50254	Alive :	Male	10	10	10	10	10	4	4	4	4	4	4	4	
		Female	5	5	5	5	5	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	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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		10/5	10/5	10/5	10/5	10/5	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50255	Alive :	Male	6	6	6	6	6	4	4	4	4	4	4	4	
		Female	9	9	9	9	9	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	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	6/9	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50256	Alive :	Male	11	11	11	11	11	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	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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		11/4	11/4	11/4	11/4	11/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring			Dose : IBMA 12 mg/kg											Species : Rat	
Generation : F1															
Dam No.	Number of offspring		/Postnatal Day												
			0	1	2	3	4	5	6	7	8	9	10	11	
50257	Alive :	Male	4	4	4	4	4	4	4	4	4	4	4	4	
		Female	12	12	12	12	11	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
		Unknown	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	0/0/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	4/12	4/12	4/12	4/12	4/11	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50258	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4	
		Female	5	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	0/0/0	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	4/4	4/4	4/4
50259	Alive :	Male	3	3	3	3	3	3	3	3	3	3	3	3	
		Female	6	6	6	6	6	5	5	5	5	5	5	5	5
	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
		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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	3/6	3/6	3/6	3/6	3/6	3/5	3/5	3/5	3/5	3/5	3/5	3/5
50260	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4	
		Female	6	6	6	6	6	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
		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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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
50261	Alive :	Male	4	4	4	4	4	4	4	4	4	4	4	4	
		Female	14	14	14	14	14	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
		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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	4/14	4/14	4/14	4/14	4/14	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50262	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	4	
		Female	10	10	10	10	10	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
		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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	7/10	4/4	4/4	4/4	4/4	4/4	4/4	4/4

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : IBMA 12 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50251	Alive : Male	5	5	
	Female	3	3	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	5/3	5/3	
50252	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50253	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	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	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50255	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	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	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : IBMA 12 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50257	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50258	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50259	Alive : Male	3	3	
	Female	5	5	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	3/5	3/5	
50260	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	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	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50262	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring			Dose : IBMA 40 mg/kg											Species : Rat	
Generation : F1															
Dam No.	Number of offspring		/Postnatal Day												
			0	1	2	3	4	5	6	7	8	9	10	11	
50351	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	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	4/4	
50352	Alive :	Male	8	4	4	4	4	4	4	4	4	4	4	4	
		Female	8	5	5	5	5	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
		Unknown	0/0/0	3/3/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	4/5	4/5	4/5	4/5	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50353	Alive :	Male	6	6	6	6	6	4	4	3	3	3	3	3	
		Female	8	8	8	8	8	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	1/0/0	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	3/4	3/4	3/4	3/4	3/4	3/4	
50354	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	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	
50355	Alive :	Male	8	4	4	4	3	2	2	2	2	2	2	2	
		Female	6	5	5	5	5	5	5	4	4	3	3	3	
	Dead :	Dead	0/0/0	4/1/0	0/0/0	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
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	1/0/0	1/0/0	0/0/0	0/0/0	0/0/0	0/1/0	0/0/0	0/0/0	0/0/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	4/5	4/5	4/5	3/5	2/5	2/5	2/4	2/4	2/3	2/3	2/3	2/3	
50356	Alive :	Male	5	5	5	5	5	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	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : IBMA 40 mg/kg												Species : Rat
Generation : F1														
Dam No.	Number of offspring	/Postnatal Day												
		0	1	2	3	4	5	6	7	8	9	10	11	
50357	Alive :	Male	7	7	7	7	7	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	4/4	
50358	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4
		Female	9	9	9	9	9	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	4/4	
50359	Alive :	Male	9	9	9	9	8	4	4	4	4	4	4	4
		Female	6	5	5	5	5	4	4	4	4	4	4	4
	Dead :	Dead	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	0/0/0	0/0/0	0/0/0
		Unknown	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	0/0/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	9/5	9/5	9/5	8/5	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50360	Alive :	Male	10	10	10	10	10	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	10/7	10/7	10/7	10/7	10/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50361	Alive :	Male	8	8	8	8	7	4	4	4	4	4	4	4
		Female	10	10	10	10	9	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	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	8/10	8/10	8/10	8/10	7/9	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50362	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4
		Female	9	9	9	9	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	0/2/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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	8/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : IBMA 40 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50351	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50352	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50353	Alive : Male	3	3	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	3/4	3/4	
50354	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50355	Alive : Male	2	2	
	Female	3	3	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	2/3	2/3	
50356	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : IBMA 40 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50357	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	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	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50359	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50360	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	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	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50362	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : IBMA 120 mg/kg											Species : Rat	
Generation : F1														
Dam No.	Number of offspring	/Postnatal Day												
		0	1	2	3	4	5	6	7	8	9	10	11	
50451	Alive : Male	3	3	3	3	3	3	3	3	3	3	3	3	3
	Female	4	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	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
	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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													
50453	No abnormality	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Alive : Male	7	7	7	7	5	4	4	3	2	2	2	2	2
	Female	4	4	4	4	4	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	0/0/0
	Unknown	0/0/0	0/0/0	0/0/0	0/0/0	2/0/0	0/1/0	0/0/0	1/0/0	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
50454	Signs													
	No abnormality	7/4	7/4	7/4	7/4	5/4	4/3	4/3	3/3	2/3	2/3	2/3	2/3	2/3
	Alive : Male	8	8	7	0									
	Female	7	7	0	0									
	Dead : Dead	0/0/0	0/0/0	0/3/0	2/0/0									
	Unknown	0/0/0	0/0/0	1/4/0	5/0/0									
50455	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0									
	Signs													
	No abnormality	8/7	8/7	7/0	0/0									
	Alive : Male	8	0											
	Female	11	0											
	Dead : Dead	0/0/0	8/11/0											
50459	Unknown	0/0/0	0/0/0											
	Cannibalism	0/0/0	0/0/0											
	Signs													
	No abnormality	8/11	0/0											
	Alive : Male	7	5	5	5	4	4	4	4	4	4	4	4	4
	Female	8	7	7	7	2	2	2	2	2	2	2	2	2
50460	Dead : Dead	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	0/0/0	0/0/0	0/0/0	0/0/0
	Unknown	0/0/0	2/0/0	0/0/0	0/0/0	1/5/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	5/7	5/7	5/7	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2
	Alive : Male	4	4	4	4	4	4	4	4	4	4	4	4	4
50460	Female	5	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	0/0/0	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
	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	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	4/5	4/5	4/5	4/5	4/5	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 signs of offspring		Dose : IBMA 120 mg/kg											Species : Rat
Generation : F1													
Dam No.	Number of offspring	/Postnatal Day											
		0	1	2	3	4	5	6	7	8	9	10	11
50461	Alive : Male	9	9	9	9	8	3	3	3	3	3	3	3
	Female	7	7	7	7	5	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	1/1/0	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	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												
50462	No abnormality	9/7	9/7	9/7	9/7	8/5	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Alive : Male	9	1	0									
	Female	2	0	0									
	Dead : Dead	0/0/0	8/2/0	1/0/0									
	Unknown	0/0/0	0/0/0	0/0/0									
	Cannibalism	0/0/0	0/0/0	0/0/0									
	Signs												
	No abnormality	9/2	1/0	0/0									

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : IBMA 120 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50451	Alive : Male	3	3	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	3/4	3/4	
50453	Alive : Male	2	2	
	Female	3	3	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	2/3	2/3	
50459	Alive : Male	4	4	
	Female	2	2	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/2	4/2	
50460	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50461	Alive : Male	3	3	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	3/4	3/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Litter size and viability index of offspring								
Generation : F1								
Dose : IBMA 0 mg/kg								
Species : Rat								
/Postnatal Day								
Dam No.	Sex	0	0	4	4	4	13	13
		Male/Female	Viability index (%)	Pre-culled Male/Female	Viability index (%)	Post-culled Male/Female	Male/Female	Viability index (%)
50151	Total	17	100.0	17	100.0	8	8	100.0
		(6/11)		(6/11)		(4/4)	(4/4)	
50152	Total	16	100.0	15	93.8	8	8	100.0
		(10/6)		(10/5)		(4/4)	(4/4)	
50153	Total	16	100.0	16	100.0	8	8	100.0
		(8/8)		(8/8)		(4/4)	(4/4)	
50154	Total	14	100.0	14	100.0	8	8	100.0
		(11/3)		(11/3)		(5/3)	(5/3)	
50155	Total	15	100.0	15	100.0	8	8	100.0
		(7/8)		(7/8)		(4/4)	(4/4)	
50156	Total	15	93.8	15	100.0	8	8	100.0
		(11/4)		(11/4)		(4/4)	(4/4)	
50157	Total	14	100.0	14	100.0	8	8	100.0
		(8/6)		(8/6)		(4/4)	(4/4)	
50158	Total	15	100.0	15	100.0	8	8	100.0
		(9/6)		(9/6)		(4/4)	(4/4)	
50159	Total	15	100.0	15	100.0	8	8	100.0
		(8/7)		(8/7)		(4/4)	(4/4)	
50160	Total	20	100.0	19	95.0	8	8	100.0
		(8/12)		(7/12)		(4/4)	(4/4)	
50161	Total	11	100.0	11	100.0	8	8	100.0
		(7/4)		(7/4)		(4/4)	(4/4)	
50162	Total	17	100.0	16	94.1	8	8	100.0
		(11/6)		(10/6)		(4/4)	(4/4)	
Total		185		182		96	96	
Male/Female		104/81		102/80		49/47	49/47	
n		12	12	12	12	12	12	12
Mean			99.48		98.58			100.00
S.D.			1.79		2.59			0.00

Litter size and viability index of offspring								
Generation : F1			Dose : IBMA 12 mg/kg				Species : Rat	
		/Postnatal Day						
Dam No.	Sex	0	0	4	4	4	13	13
		Male/Female	Viability index (%)	Pre-culled Male/Female	Viability index (%)	Post-culled Male/Female	Male/Female	Viability index (%)
50251	Total	13	100.0	13	100.0	8	8	100.0
		(10/3)		(10/3)		(5/3)	(5/3)	
50252	Total	14	100.0	14	100.0	8	8	100.0
		(6/8)		(6/8)		(4/4)	(4/4)	
50253	Total	13	100.0	13	100.0	8	8	100.0
		(9/4)		(9/4)		(4/4)	(4/4)	
50254	Total	15	100.0	15	100.0	8	8	100.0
		(10/5)		(10/5)		(4/4)	(4/4)	
50255	Total	15	100.0	15	100.0	8	8	100.0
		(6/9)		(6/9)		(4/4)	(4/4)	
50256	Total	15	100.0	15	100.0	8	8	100.0
		(11/4)		(11/4)		(4/4)	(4/4)	
50257	Total	16	100.0	15	93.8	8	8	100.0
		(4/12)		(4/11)		(4/4)	(4/4)	
50258	Total	13	100.0	13	100.0	8	8	100.0
		(8/5)		(8/5)		(4/4)	(4/4)	
50259	Total	9	100.0	9	100.0	8	8	100.0
		(3/6)		(3/6)		(3/5)	(3/5)	
50260	Total	14	100.0	14	100.0	8	8	100.0
		(8/6)		(8/6)		(4/4)	(4/4)	
50261	Total	18	100.0	18	100.0	8	8	100.0
		(4/14)		(4/14)		(4/4)	(4/4)	
50262	Total	17	100.0	17	100.0	8	8	100.0
		(7/10)		(7/10)		(4/4)	(4/4)	
Total		172		171		96	96	
Male/Female		86/86		86/85		48/48	48/48	
n		12	12	12	12	12	12	12
Mean			100.00		99.48			100.00
S.D.			0.00		1.79			0.00

Litter size and viability index of offspring								
Generation : F1			Dose : IBMA 40 mg/kg					Species : Rat
/Postnatal Day		0	0	4	4	4	13	13
Dam No.	Sex	Male/Female	Viability index (%)	Pre-culled Male/Female	Viability index (%)	Post-culled Male/Female	Male/Female	Viability index (%)
50351	Total	13	100.0	13	100.0	8	8	100.0
		(9/4)		(9/4)		(4/4)	(4/4)	
50352	Total	16	94.1	9	56.3	8	8	100.0
		(8/8)		(4/5)		(4/4)	(4/4)	
50353	Total	14	100.0	14	100.0	8	7	87.5
		(6/8)		(6/8)		(4/4)	(3/4)	
50354	Total	16	100.0	16	100.0	8	8	100.0
		(9/7)		(9/7)		(4/4)	(4/4)	
50355	Total	14	77.8	8	57.1	8	5	62.5
		(8/6)		(3/5)		(3/5)	(2/3)	
50356	Total	12	100.0	12	100.0	8	8	100.0
		(5/7)		(5/7)		(4/4)	(4/4)	
50357	Total	14	100.0	14	100.0	8	8	100.0
		(7/7)		(7/7)		(4/4)	(4/4)	
50358	Total	17	100.0	17	100.0	8	8	100.0
		(8/9)		(8/9)		(4/4)	(4/4)	
50359	Total	15	100.0	13	86.7	8	8	100.0
		(9/6)		(8/5)		(4/4)	(4/4)	
50360	Total	17	94.4	17	100.0	8	8	100.0
		(10/7)		(10/7)		(4/4)	(4/4)	
50361	Total	18	100.0	16	88.9	8	8	100.0
		(8/10)		(7/9)		(4/4)	(4/4)	
50362	Total	17	100.0	15	88.2	8	8	100.0
		(8/9)		(8/7)		(4/4)	(4/4)	
Total		183		164		96	92	
Male/Female		95/88		84/80		47/49	45/47	
n		12	12	12	12	12	12	12
Mean			97.19		89.77			95.83
S.D.			6.50		16.33			11.10

Litter size and viability index of offspring								
Generation : F1								
Dose : IBMA 120 mg/kg								
Species : Rat								
/Postnatal Day								
Dam No.	Sex	0	0	4	4	4	13	13
		Male/Female	Viability index (%)	Pre-culled Male/Female	Viability index (%)	Post-culled Male/Female	Male/Female	Viability index (%)
50451	Total	7	100.0	7	100.0	7	7	100.0
		(3/4)		(3/4)		(3/4)	(3/4)	
50453	Total	11	84.6	9	81.8	8	5	62.5
		(7/4)		(5/4)		(4/4)	(2/3)	
50454	Total	15	93.8	0	0.0	...	...	...
		(8/7)		(0/0)				
50455	Total	19	90.5	0	0.0	...	...	...
		(8/11)		(0/0)				
50459	Total	15	100.0	6	40.0	6	6	100.0
		(7/8)		(4/2)		(4/2)	(4/2)	
50460	Total	9	100.0	9	100.0	8	8	100.0
		(4/5)		(4/5)		(4/4)	(4/4)	
50461	Total	16	100.0	13	81.3	8	7	87.5
		(9/7)		(8/5)		(4/4)	(3/4)	
50462	Total	11	68.8	0	0.0	...	...	...
		(9/2)		(0/0)				
Total		103		44		37	33	
Male/Female		55/48		24/20		19/18	16/17	
n		8	8	8	8	5	5	5
Mean			92.21		50.39			90.00
S.D.			11.05		45.65			16.30

Dam No. 50455 : Whole litter loss by lactation day 1 and euthanized due to a moribund condition on lactation day 1

... : Blank

Litter data on body weight of offspring									
Generation : F1									
Dose : IBMA 0 mg/kg									
Unit : g									
Species : Rat									
/Postnatal Day									
Dam No.	Sex	0		4		7		13	
		n	B.W.	n	B.W.	n	B.W.	n	B.W.
50151	Male	6	6.62	6	10.07	4	17.98	4	36.65
	Female	11	6.36	11	9.85	4	17.25	4	36.43
50152	Male	10	7.38	10	10.44	4	19.10	4	39.20
	Female	6	6.70	5	9.66	4	16.20	4	35.35
50153	Male	8	6.65	8	10.79	4	17.83	4	34.83
	Female	8	6.70	8	10.88	4	18.35	4	35.68
50154	Male	11	7.39	11	12.25	5	21.36	5	40.96
	Female	3	7.13	3	11.57	3	19.90	3	38.77
50155	Male	7	6.36	7	9.66	4	17.65	4	34.45
	Female	8	6.14	8	9.13	4	17.35	4	33.55
50156	Male	11	6.31	11	7.87	4	14.25	4	32.20
	Female	4	6.03	4	7.48	4	13.53	4	31.05
50157	Male	8	6.49	8	10.53	4	18.45	4	35.10
	Female	6	6.15	6	10.43	4	18.70	4	36.25
50158	Male	9	7.71	9	11.14	4	19.30	4	38.03
	Female	6	7.50	6	11.38	4	19.33	4	37.30
50159	Male	8	6.79	8	9.59	4	18.50	4	36.68
	Female	7	6.54	7	9.36	4	16.60	4	33.85
50160	Male	8	6.88	7	10.46	4	19.05	4	37.65
	Female	12	6.30	12	8.93	4	18.18	4	36.03
50161	Male	7	7.66	7	12.56	4	21.38	4	40.45
	Female	4	6.90	4	11.63	4	19.75	4	37.00
50162	Male	11	6.79	10	10.79	4	18.38	4	36.53
	Female	6	6.22	6	9.52	4	17.00	4	35.05
n	Male	104		102		49		49	
	Female	81		80		47		47	
Mean	Male		6.919		10.513		18.603		36.894
	Female		6.556		9.985		17.678		35.526
S.D.	Male		0.493		1.226		1.838		2.560
	Female		0.448		1.244		1.784		2.011

Litter data on body weight of offspring									
Generation : F1									
Dose : IBMA 12 mg/kg									
Unit : g									
Species : Rat									
/Postnatal Day									
Dam No.	Sex	0		4		7		13	
		n	B.W.	n	B.W.	n	B.W.	n	B.W.
50251	Male	10	6.36	10	6.76	5	11.52	5	26.42
	Female	3	6.37	3	6.73	3	10.47	3	22.77
50252	Male	6	7.13	6	10.82	4	18.35	4	34.08
	Female	8	6.64	8	10.43	4	17.43	4	33.35
50253	Male	9	8.64	9	13.12	4	21.85	4	39.75
	Female	4	7.93	4	12.43	4	21.40	4	38.10
50254	Male	10	7.12	10	11.32	4	20.40	4	40.10
	Female	5	6.84	5	10.90	4	19.38	4	40.13
50255	Male	6	7.38	6	10.55	4	18.40	4	34.35
	Female	9	6.91	9	9.67	4	17.23	4	32.05
50256	Male	11	6.95	11	9.84	4	17.45	4	34.78
	Female	4	6.50	4	9.55	4	16.50	4	32.98
50257	Male	4	7.08	4	10.13	4	16.18	4	32.90
	Female	12	6.88	11	9.84	4	17.90	4	35.10
50258	Male	8	6.59	8	11.20	4	19.28	4	37.35
	Female	5	5.92	5	10.06	4	18.03	4	35.95
50259	Male	3	6.97	3	12.43	3	19.97	3	37.77
	Female	6	6.58	6	11.08	5	18.00	5	35.12
50260	Male	8	6.73	8	10.08	4	17.60	4	34.73
	Female	6	6.60	6	9.90	4	17.23	4	34.60
50261	Male	4	6.85	4	10.73	4	19.43	4	38.88
	Female	14	6.27	14	9.26	4	18.08	4	36.43
50262	Male	7	6.46	7	10.26	4	18.63	4	34.98
	Female	10	5.76	10	8.68	4	17.00	4	33.83
n	Male	86		86		48		48	
	Female	86		85		48		48	
Mean	Male		7.022		10.603		18.255		35.508
	Female		6.600		9.878		17.388		34.201
S.D.	Male		0.590		1.554		2.590		3.731
	Female		0.551		1.389		2.531		4.241

Litter data on body weight of offspring									
Generation : F1									
Dose : IBMA 40 mg/kg									
Unit : g									
Species : Rat									
/Postnatal Day									
Dam No.	Sex	0		4		7		13	
		n	B.W.	n	B.W.	n	B.W.	n	B.W.
50351	Male	9	7.20	9	11.01	4	19.48	4	37.20
	Female	4	6.80	4	10.13	4	18.28	4	35.95
50352	Male	8	6.25	4	9.63	4	15.30	4	32.08
	Female	8	5.86	5	9.40	4	15.08	4	30.68
50353	Male	6	6.58	6	9.93	3	17.67	3	37.13
	Female	8	6.23	8	9.71	4	18.00	4	37.98
50354	Male	9	6.58	9	9.74	4	17.83	4	35.45
	Female	7	6.19	7	9.24	4	16.20	4	32.15
50355	Male	8	5.76	3	4.77	2	6.30	2	12.85
	Female	6	5.52	5	5.18	4	6.60	3	16.27
50356	Male	5	6.76	5	11.28	4	19.60	4	36.35
	Female	7	6.30	7	10.57	4	18.23	4	35.03
50357	Male	7	7.34	7	12.07	4	19.55	4	35.85
	Female	7	6.83	7	11.16	4	18.83	4	34.33
50358	Male	8	6.68	8	9.55	4	15.65	4	32.20
	Female	9	6.43	9	9.16	4	15.95	4	33.88
50359	Male	9	6.43	8	9.58	4	17.33	4	34.20
	Female	6	6.18	5	9.18	4	16.60	4	32.30
50360	Male	10	6.50	10	9.38	4	17.05	4	33.25
	Female	7	5.90	7	8.47	4	15.23	4	31.03
50361	Male	8	5.81	7	8.91	4	15.78	4	33.15
	Female	10	5.88	9	8.34	4	13.73	4	29.43
50362	Male	8	6.94	8	10.36	4	18.45	4	36.50
	Female	9	6.18	7	9.54	4	16.35	4	33.18
n	Male	95		84		45		45	
	Female	88		80		48		47	
Mean	Male		6.569		9.684		16.666		33.018
	Female		6.192		9.173		15.757		31.851
S.D.	Male		0.480		1.794		3.594		6.615
	Female		0.380		1.490		3.261		5.456

Litter data on body weight of offspring									
Generation : F1									
Dose : IBMA 120 mg/kg									
Unit : g									
Species : Rat									
/Postnatal Day									
Dam No.	Sex	0		4		7		13	
		n	B.W.	n	B.W.	n	B.W.	n	B.W.
50451	Male	3	6.67	3	10.53	3	16.50	3	30.40
	Female	4	6.35	4	9.78	4	15.33	4	28.48
50453	Male	7	6.07	5	5.86	3	7.27	2	12.75
	Female	4	5.75	4	5.60	3	8.10	3	13.40
50454	Male	8	6.18	0					
	Female	7	5.43	0					
50455	Male	8	4.69	0					
	Female	11	4.35	0					
50459	Male	7	5.33	4	5.80	4	7.58	4	12.78
	Female	8	4.90	2	5.80	2	8.00	2	13.90
50460	Male	4	5.95	4	8.98	4	14.10	4	24.43
	Female	5	5.90	5	8.64	4	14.20	4	25.20
50461	Male	9	5.99	8	6.38	3	9.40	3	18.20
	Female	7	5.17	5	5.90	4	8.08	4	16.25
50462	Male	9	5.44	0					
	Female	2	5.30	0					
n	Male	55		24		17		16	
	Female	48		20		17		17	
Mean	Male		5.790		7.510		10.970		19.712
	Female		5.394		7.144		10.742		19.446
S.D.	Male		0.611		2.133		4.124		7.670
	Female		0.620		1.932		3.694		6.933

Dam No. 50455 : Whole litter loss by lactation day 1 and euthanized due to a moribund condition on lactation day 1

Litter data on anogenital distance of offspring					Unit : mm	Species : Rat
Generation : F1						
	Sex	/Postnatal Day				
		4				
Dam No.		n	AGD	AGD/ $\sqrt[3]{BW}$		
50151	Male	6	5.490	2.547		
	Female	11	2.665	1.244		
50152	Male	10	5.467	2.504		
	Female	5	2.650	1.244		
50153	Male	8	6.010	2.720		
	Female	8	3.008	1.358		
50154	Male	11	6.138	2.664		
	Female	3	3.117	1.380		
50155	Male	7	5.690	2.673		
	Female	8	2.696	1.291		
50156	Male	11	5.165	2.599		
	Female	4	2.560	1.315		
50157	Male	8	5.801	2.649		
	Female	6	2.828	1.295		
50158	Male	9	5.888	2.639		
	Female	6	2.845	1.265		
50159	Male	8	5.665	2.670		
	Female	7	2.740	1.301		
50160	Male	7	5.960	2.729		
	Female	12	2.600	1.259		
50161	Male	7	5.949	2.559		
	Female	4	2.995	1.325		
50162	Male	10	5.835	2.641		
	Female	6	2.772	1.308		
n	Male	102				
	Female	80				
Mean	Male		5.7548	2.6328		
	Female		2.7897	1.2988		
S.D.	Male		0.2749	0.0686		
	Female		0.1750	0.0426		

AGD : Anogenital Distance

Litter data on anogenital distance of offspring				
Generation : F1		Dose : IBMA 12 mg/kg		Unit : mm
Sex		/Postnatal Day		Species : Rat
		4		
Dam No.		n	AGD	AGD/ $\sqrt[3]{\text{BW}}$
50251	Male	10	4.399	2.332
	Female	3	2.337	1.237
50252	Male	6	5.355	2.423
	Female	8	2.650	1.214
50253	Male	9	6.029	2.557
	Female	4	2.875	1.245
50254	Male	10	5.958	2.656
	Female	5	2.972	1.342
50255	Male	6	5.608	2.558
	Female	9	2.739	1.287
50256	Male	11	5.606	2.617
	Female	4	2.788	1.315
50257	Male	4	5.510	2.553
	Female	11	2.656	1.241
50258	Male	8	5.514	2.465
	Female	5	2.748	1.274
50259	Male	3	6.197	2.673
	Female	6	3.118	1.397
50260	Male	8	5.295	2.451
	Female	6	2.797	1.303
50261	Male	4	5.555	2.523
	Female	14	2.601	1.241
50262	Male	7	5.726	2.639
	Female	10	2.648	1.289
n	Male	86		
	Female	85		
Mean	Male		5.5627	2.5373
	Female		2.7441	1.2821
S.D.	Male		0.4554	0.1037
	Female		0.1967	0.0521

AGD : Anogenital Distance

Litter data on anogenital distance of offspring				
Generation : F1		Dose : IBMA 40 mg/kg		Unit : mm
Sex		/Postnatal Day		Species : Rat
		4		
Dam No.		n	AGD	AGD/ $\sqrt[3]{BW}$
50351	Male	9	5.671	2.551
	Female	4	2.640	1.223
50352	Male	4	5.550	2.615
	Female	5	2.664	1.264
50353	Male	6	5.660	2.633
	Female	8	2.686	1.258
50354	Male	9	5.881	2.758
	Female	7	2.834	1.354
50355	Male	3	3.917	2.330
	Female	5	2.166	1.252
50356	Male	5	5.924	2.642
	Female	7	3.010	1.371
50357	Male	7	5.554	2.421
	Female	7	2.746	1.229
50358	Male	8	5.795	2.735
	Female	9	2.826	1.353
50359	Male	8	5.755	2.710
	Female	5	2.738	1.308
50360	Male	10	5.267	2.499
	Female	7	2.484	1.219
50361	Male	7	5.223	2.524
	Female	9	2.409	1.190
50362	Male	8	5.664	2.598
	Female	7	2.710	1.276
n	Male	84		
	Female	80		
Mean	Male		5.4884	2.5847
	Female		2.6594	1.2748
S.D.	Male		0.5393	0.1275
	Female		0.2206	0.0594

AGD : Anogenital Distance

Litter data on anogenital distance of offspring				
Generation : F1		Dose : IBMA 120 mg/kg		Unit : mm
Sex		/Postnatal Day		Species : Rat
		4		
Dam No.		n	AGD	AGD/ $\sqrt[3]{BW}$
50451	Male	3	5.733	2.617
	Female	4	2.555	1.195
50453	Male	5	4.138	2.300
	Female	4	2.003	1.133
50459	Male	4	4.738	2.638
	Female	2	2.025	1.130
50460	Male	4	5.443	2.623
	Female	5	2.420	1.186
50461	Male	8	4.869	2.630
	Female	5	2.528	1.400
n	Male	24		
	Female	20		
Mean	Male		4.9842	2.5616
	Female		2.3062	1.2088
S.D.	Male		0.6247	0.1464
	Female		0.2716	0.1109

AGD : Anogenital Distance

Litter data on nipple retention of male offspring				Dose : IBMA 0 mg/kg	Species : Rat
Generation : F1					
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	5	0.0		
50155	Male	4	0.0		
50156	Male	4	0.0		
50157	Male	4	0.0		
50158	Male	4	0.0		
50159	Male	4	0.0		
50160	Male	4	0.0		
50161	Male	4	0.0		
50162	Male	4	0.0		
n	Male	49			
Mean			0.00		
S.D.			0.00		

Litter data on nipple retention of male offspring				Dose : IBMA 12 mg/kg	Species : Rat
Generation : F1					
Dam No.	Sex	Postnatal Day 13			
		n	Number of nipples		
50251	Male	5	0.0		
50252	Male	4	0.0		
50253	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	3	0.0		
50260	Male	4	0.0		
50261	Male	4	0.0		
50262	Male	4	0.0		
n	Male	48			
Mean			0.00		
S.D.			0.00		

Litter data on nipple retention of male offspring				Dose : IBMA 40 mg/kg	Species : Rat
Generation : F1					
Dam No.	Sex	Postnatal Day 13			
		n	Number of nipples		
50351	Male	4	0.0		
50352	Male	4	0.0		
50353	Male	3	0.0		
50354	Male	4	0.0		
50355	Male	2	0.0		
50356	Male	4	0.0		
50357	Male	4	0.0		
50358	Male	4	0.0		
50359	Male	4	0.0		
50360	Male	4	0.0		
50361	Male	4	0.0		
50362	Male	4	0.0		
n	Male	45			
Mean			0.00		
S.D.			0.00		

Litter data on nipple retention of male offspring				Dose : IBMA 120 mg/kg	Species : Rat
Generation : F1					
Dam No.	Sex	Postnatal Day 13			
		n	Number of nipples		
50451	Male	3	0.0		
50453	Male	2	0.0		
50459	Male	4	0.0		
50460	Male	4	0.0		
50461	Male	3	0.0		
n	Male	16			
Mean			0.00		
S.D.			0.00		

Serum T4 concentration of offspring		Stage : Postnatal day 13	Species : Rat
Generation : F1		Dose : IBMA 0 mg/kg	
T4			
Dam No.	ng/mL		
50151	42.9		
50152	57.0		
50153	60.0		
50154	48.9		
50155	50.0		
50156	50.4		
50157	53.6		
50158	47.3		
50159	45.7		
50160	52.8		
50161	55.0		
50162	41.8		
n	12		
Mean	50.45		
S.D.	5.54		

Serum T4 concentration of offspring		Stage : Postnatal day 13	Species : Rat
Generation : F1		Dose : IBMA 12 mg/kg	
T4			
Dam No.	ng/mL		
50251	36.7		
50252	47.2		
50253	53.1		
50254	51.7		
50255	54.0		
50256	60.3		
50257	44.8		
50258	56.0		
50259	53.9		
50260	50.7		
50261	49.5		
50262	68.7		
n	12		
Mean	52.22		
S.D.	7.91		

Serum T4 concentration of offspring		Stage : Postnatal day 13	Species : Rat
Generation : F1		Dose : IBMA 40 mg/kg	
T4			
Dam No.	ng/mL		
50351	46.8		
50352	52.6		
50353	44.8		
50354	50.8		
50355	31.3		
50356	55.0		
50357	58.7		
50358	45.0		
50359	50.0		
50360	38.2		
50361	51.0		
50362	61.2		
n	12		
Mean	48.78		
S.D.	8.36		

Serum T4 concentration of offspring		Stage : Postnatal day 13	Species : Rat
Generation : F1		Dose : IBMA 120 mg/kg	
T4			
Dam No.	ng/mL		
50451	57.9		
50453	40.8		
50459	32.0		
50460	49.2		
50461	36.0		
n	5		
Mean	43.18		
S.D.	10.43		

Necropsy findings of offspring			Dose : IBMA 0 mg/kg		Species : Rat	
Generation : F1						
Dam No.	Number of live offspring examined on postnatal Day 13		Number of dead offspring examined on postnatal Day 0-13			
		/Findings				
50151	8	Absent	0			
50152	8	Absent	1	Absent (Day 4)		
50153	8	Absent	0			
50154	8	Absent	0			
50155	8	Absent	0			
50156	8	Absent	1	Absent (Day 0)		
50157	8	Absent	0			
50158	8	Absent	0			
50159	8	Absent	0			
50160	8	Absent	0			
50161	8	Absent	0			
50162	8	Absent	1	Absent (Day 4)		
Total	96		3			
n	12		3			

Necropsy findings of offspring				Dose : IBMA 12 mg/kg		Species : Rat	
Generation : F1							
Dam No.	Number of live offspring examined on postnatal Day 13		/Findings	Number of dead offspring examined on postnatal Day 0-13		/Findings	
50251	8	Absent		0			
50252	8	Absent		0			
50253	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			
50260	8	Absent		0			
50261	8	Absent		0			
50262	8	Absent		0			
Total	96			0			
n	12			0			

Necropsy findings of offspring			Dose : IBMA 40 mg/kg		Species : Rat
Generation : F1					
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	2	1, Absent (Day 0); 1 ^a , Absent (Day 1)	
50353	7	Absent	1	Absent (Day 7)	
50354	8	Absent	0		
50355	5	Absent	10	4, Absent (Day 0); 5 ^b , Absent (Day 1), 1, Absent (Day 7)	
50356	8	Absent	0		
50357	8	Absent	0		
50358	8	Absent	0		
50359	8	Absent	1	Absent (Day 1)	
50360	8	Absent	1	Absent (Day 0)	
50361	8	Absent	1	Absent (Day 4)	
50362	8	Absent	0		
Total	92		16		
n	12		6		

a : Showed partial loss of the body because of maternal cannibalism

b : 1 of 5 pups showed partial loss of the body because of maternal cannibalism.

Necropsy findings of offspring			Dose : IBMA 120 mg/kg		Species : Rat	
Generation : F1						
Dam No.	Number of live offspring examined on postnatal Day 13	/Findings	Number of dead offspring examined on postnatal Day 0-13	/Findings		
50451	7	Absent	0			
50453	5	Absent	2	Absent (Day 0)		
50454	0		6	1 ^a , Absent (Day 0); 3, Absent (Day 2), 2, Absent (Day 3)		
50455	0		21	2, Absent (Day 0); 19, Absent (Day 1)		
50459	6	Absent	1	Absent (Day 1)		
50460	8	Absent	0			
50461	7	Absent	1	Absent (Day 4)		
50462	0		16	5, Absent (Day 0); 10, Absent (Day 1), 1, Absent (Day 2)		
Total	33		47			
n	5		6			

a : Showed partial loss of the body because of maternal cannibalism

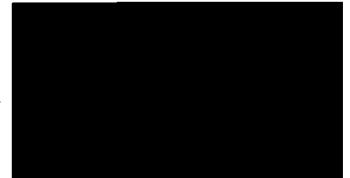
Dam Nos. 50454, 50455, and 50462 : Whole litter loss by lactation day 3

Dam No. 50455 : Euthanized on lactation day 1 due to a moribund condition



試験成績書

2022年07月15日



製品名: <i>N</i> -(Isobutoxymethyl)acrylamide		
製品コード:  CAS RN: 16669-59-3	等級:	製品ロット:  判定: 合格
項目	結果	規格値
外観	無色透明液体	無色～ほとんど無色透明液体
純度(臭素法)	98.2 %	98.0 %以上

製品ラベルに記載された弊社のロット番号は、半角のアルファベットと数字の組み合わせで4桁又は5桁です。それ以降は、社内管理用の記号となります。
規格の内容は予告なく変更する場合があります。本書面に掲載されている内容が最新です。製品に貼付されているラベルの内容と異なる場合がありますが、製品自体の品質は最新の規格を満たしています。

Certification No.: 2230

CERTIFICATE OF ANALYSIS

Stability of test article

Study number: SR22109
Test article: IBMA
Lot Number: XXXXXXXXXX
Date of analysis: October 6, 2022 (before the start of administration)
January 10, 2023 (after the end of the administration period)
Analysis method: ATR method (IR spectrum)
Analyst: XXXXXXXXXX
Analysis results:

	Before the start of administration	After the end of the administration period
IR spectrum	Absorptions at 958.67, 982.90, 1072.74, 1121.41, 1232.32, 1386.64, 1537.73, 1628.91, and 1664.23 cm ⁻¹	Absorptions at 958.61, 983.05, 1072.86, 1121.44, 1232.08, 1386.65, 1536.24, 1628.97, and 1664.16 cm ⁻¹
	Similar to the spectrum before the start of administration.	

Approved by: XXXXXXXXXXXXXXXXXXXX
Person in charge of chemical analysisJanuary 10, 2023
Date

Safety Research Institute for Chemical Compounds Co., Ltd.

Certificate of analysis No. 2215

CERTIFICATE OF ANALYSIS

Stability test

Study number: SR22109
 Test article: IBMA
 Lot number: XXXXXXXXXX
 Control article: Corn oil
 Date of analysis: October 7, 2022 (at preparation)
 October 17, 2022 (after storage)
 Storage conditions: In a refrigerator for 9 days + at room temperature for 19 hours
 Analysis method: HPLC method
 Analyst: XXXXXXXXXX
 Analysis results:

Nominal concentration (mg/mL)	Concentration (mg/mL)	
	At preparation	After storage
2.4	2.45	2.47
	2.47	2.46
	2.47	2.48
	Mean	2.46
	SD	0.012
	RSD (%)	0.5
	Content (%)	102.5
24	Remaining rate (%)	-
	25.1	25.0
	25.0	24.9
	25.2	24.9
	Mean	25.1
	SD	0.10
	RSD (%)	0.4
	Content (%)	104.6
	Remaining rate (%)	-

SD: Standard deviation, RSD: Relative standard deviation

Approved by: XXXXXXXXXX
XXXXXXXXXX
 Person in charge of chemical analysis

October 18, 2022
 Date

Safety Research Institute for Chemical Compounds Co., Ltd.

Certificate of analysis No. 2216

CERTIFICATE OF ANALYSIS

Confirmation test of concentration

Study number: SR22109
Test article: IBMA
Lot number: XXXXXXXXXX
Control article: Corn oil
Date of analysis: October 17, 2022
Analysis method: HPLC method
Analyst: XXXXXXXXXX
Analysis results:

Nominal concentration (mg/mL)	Concentration (mg/mL)	Mean $\pm$ SD	RSD (%)	Content (%)
2.4	2.36	2.37 $\pm$ 0.006	0.3	98.8
	2.37			
	2.37			
8	8.03	8.06 $\pm$ 0.044	0.5	100.8
	8.04			
	8.11			
24	24.2	24.2 $\pm$ 0.10	0.4	100.8
	24.1			
	24.3			

SD: Standard deviation, RSD: Relative standard deviation

Approved by: XXXXXXXXXXXXXXXXXXXX
Person in charge of chemical analysisOctober 18, 2022

Date

Safety Research Institute for Chemical Compounds Co., Ltd.

Certificate of analysis No. 2224

CERTIFICATE OF ANALYSIS

Confirmation test of concentration

Study number: SR22109
Test article: IBMA
Lot number: XXXXXXXXXX
Control article: Corn oil
Date of analysis: November 10, 2022
Analysis method: HPLC method
Analyst: XXXXXXXXXX
Analysis results:

Nominal concentration (mg/mL)	Concentration (mg/mL)	Mean $\pm$ SD	RSD (%)	Content (%)
2.4	2.40	2.40 $\pm$ 0.015	0.6	100.0
	2.42			
	2.39			
8	8.13	8.11 $\pm$ 0.020	0.2	101.4
	8.11			
	8.09			
24	24.3	24.0 $\pm$ 0.58	2.4	100.0
	24.3			
	23.3			

SD: Standard deviation, RSD: Relative standard deviation

Approved by: XXXXXXXXXXXXXXXXXXXX
Person in charge of chemical analysisNovember 11, 2022
Date

Safety Research Institute for Chemical Compounds Co., Ltd.

Annex 5 (1/4)

投与液（調製液）の濃度分析方法

1 使用機器

高速液体クロマトグラフ装置 (HPLC) Waters システム

Alliance セパレーションモジュール	: e2695, 日本ウォーターズ株式会社
UV-VIS 検出器	: 2489, 日本ウォーターズ株式会社
データ処理装置	: Empower 3, 日本ウォーターズ株式会社
電子式上皿天秤	: GH-202, 株式会社エー・アンド・デイ
超音波洗浄器	: ASU-10, アズワン株式会社
分注器	: mLINE, Sartorius

2 標準物質

被験物質を使用した。

3 試薬

アセトニトリル	: HPLC 用, 関東化学株式会社
りん酸	: 試薬特級, 富士フイルム和光純薬株式会社
超純水	: LC/MS 用, 富士フイルム和光純薬株式会社
テトラヒドロフラン (THF)	: HPLC 用, 安定剤不含, 富士フイルム和光純薬株式会社

4 分析関連試薬の調製

以下の割合で調製し、調製日を 0 日として起算した。

4.1 0.25%りん酸溶液 [移動相 B]

りん酸 2.5 mL を超純水 1000 mL に溶解し、超音波洗浄器で約 1 分脱気した。調製後は室温に保存し、13 日 (期限 2 週間) 以内に使用した。

4.2 50%アセトニトリル [オートサンプリング洗浄液]

アセトニトリル 500 mL および超純水 500 mL を混合し、超音波洗浄器で約 1 分脱気した。調製後は室温に保存し、13 日 (期限 2 週間) 以内に使用した。

4.3 希釈液 (DS)

THF とアセトニトリルを 1 : 1 の割合で混合した。調製後は室温に保存し、3 日 (期限 2 週間) 以内に使用した。

Annex 5 (2/4)

5 標準原液および標準溶液の調製 (n=1)

下表に従い調製し、オートサンプラ内に保存後 3 時間 (期限 23 時間) 以内に測定した。

調製濃度 ($\mu\text{g/mL}$)	略号	調製方法 (以下の割合で調製)			
1000	S1	被験物質	0.02g	→	DS 20 mL
100	S2	S1	2 mL	→	DS 20 mL
50	STD5	S2	5 mL	→	DS 10 mL
30	STD4	S2	3 mL	→	DS 10 mL
20	STD3	S2	2 mL	→	DS 10 mL
10	STD2	S2	1 mL	→	DS 10 mL
5	STD1	STD5	1 mL	→	DS 10 mL

S1, S2 : 標準原液, STD1 ~ STD5 : 標準溶液

6 試料溶液の調製 (n=3)

下表に従い調製し、オートサンプラ内に保存後 4 時間 (期限 23 時間) 以内に測定した。

調製液 表示濃度 (mg/mL)	試料溶液 濃度 ($\mu\text{g/mL}$)	調製方法 (以下の割合で調製)			
2.4	24	調製液	1 mL	→	DS 10 mL
		上記溶液	1 mL	→	DS 10 mL
8	40	調製液	1 mL	→	DS 20 mL
		上記溶液	1 mL	→	DS 10 mL
24	24	調製液	0.5 mL	→	DS 50 mL
		上記溶液	1 mL	→	DS 10 mL

7 HPLC 条件

カラム : Cadenza CD-C18, 3 μm , 4.6 mm I.D. $\times$ 150 mm,
Imtakt Corporation

移動相 : 移動相 A および移動相 B を 3 : 7 の割合で送液した。

移動相 A ; アセトニトリル

移動相 B ; 0.25%りん酸溶液

Annex 5 (3/4)

オートサンプラ洗浄液 : 50%アセトニトリル
 流速 : 1.0 mL/min
 測定波長 : 225 nm
 カラム温度 : 40°C
 オートサンプラ温度 : 10 °C
 注入量 : 5 µL
 分析時間 : 10 分

8 システム適合性試験

測定日ごとに標準溶液 (STD3) を繰り返し 6 回注入した。IBMA のピーク面積および保持時間について平均値, 標準偏差, 相対標準偏差を求めた。

9 計算

標準溶液の IBMA のピーク面積および調製濃度から検量線 ($Y=aX+b$; a : 傾き, b : y-切片, Y : ピーク面積, X : 調製濃度) を作成し, 相関係数を算出した。検量線は相関係数が 0.99 以上の場合を採用した。以下の式より各調製液濃度を求め, さらに平均値, 標準偏差および相対標準偏差を算出した。また, 濃度確認試験および安定性試験 (調製時) では含有率, 安定性試験 (保存後) では残存率を求めた。

$$\text{調製液濃度 (mg/mL)} = [A_t - (y\text{-切片})] / \text{傾き} \times D / 1000$$

A_t : 試料溶液の IBMA のピーク面積

D : 希釈倍数

(2.4 mg/mL 調製液 : 100, 8 mg/mL 調製液 : 200, 24 mg/mL 調製液 : 1000)

$$\text{含有率 (\%)} = (\text{調製液濃度平均値} / \text{調製液の表示濃度}) \times 100$$

$$\text{残存率 (\%)} = (\text{保存後の調製液濃度平均値} / \text{調製時の調製液濃度平均値}) \times 100$$

$$\text{相対標準偏差 (\%)} = (\text{標準偏差} / \text{平均値}) \times 100$$

10 数値の取扱い

秤量値、保持時間およびピーク面積は機器から出力された数値を用いた。それ以外は四捨五入して以下の桁数を表示した。平均値は個々の数値と同じ取扱い、標準偏差は平均値の1つ下の桁、相対標準偏差は小数点以下第1位を表示した。検量線の作成および数値計算にはMicrosoft Excel for Microsoft 365 を用いた。

項目 (単位)	表示値
秤量値 (g)	小数点以下第5位
保持時間 (分)	小数点以下第3位
ピーク面積 (μV 秒)	整数
検量線 [相関係数]	有効数字6桁
検量線 [傾き, y-切片]	小数点以下第3位
標準溶液濃度 ($\mu\text{g/mL}$) 調製液濃度 (mg/mL)	有効数字3桁
含有率 (%)	小数点以下第1位
残存率 (%)	小数点以下第1位

11 判定基準

(1) 安定性試験：

- 1) 調製時；含有率が $100.0 \pm 10.0\%$ 、相対標準偏差が 5.0% 以下の場合を適とした。
- 2) 保存後；残存率が $100.0 \pm 10.0\%$ 、相対標準偏差が 5.0% 以下の場合を適とした。

(2) 濃度確認試験：含有率が $100.0 \pm 10.0\%$ 、相対標準偏差が 5.0% 以下の場合を適とした。(3) システム適合性試験：相対標準偏差が 2.0% 以下を適とした。

12 分析結果

(1) 安定性試験：合格 (Annex 3)

(2) 濃度確認試験：合格 (Annex 4-1, 4-2)

(3) システム適合性試験：合格 (保持時間の相対標準偏差は 0.1% であり、ピーク面積の相対標準偏差は $0.2 \sim 0.8\%$ であった)。