

最終報告書

表　　題: m-エチルフェノールのラットを用いる簡易生殖発生毒性試験

試験番号: SR13055

株式会社 化合物安全性研究所

陳述書

表題 : m-エチルフェノールのラットを用いる簡易生殖発生毒性試験

試験番号 : SR13055

1. 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、試験方法は「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) に基づいて実施したものです。
2. 本試験は、試験計画書に従って実施し、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認められませんでした。

株式会社 化合物安全性研究所

試験責任者

2014 年 3 月 10 日

信頼性保証書

表題 : m-エチルフェノールのラットを用いる簡易生殖発生毒性試験

試験番号 : SR13055

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 | 2013年10月 7日 | 2013年10月 7日 | 2013年10月 7日 |
| 被験物質の受入・表示・保存 | 2013年10月 7日 | 2013年10月 7日 | 2013年10月 7日 |
| 試験計画書 | 2013年10月 9日 | 2013年10月 9日 | 2013年10月 9日 |
| 動物受入・検疫・馴化 | 2013年10月 9日 | 2013年10月 9日 | 2013年10月 9日 |
| 試験計画書変更書 (No.1) | 2013年10月 11日 | 2013年10月 11日 | 2013年10月 11日 |
| 投与液の調製 | 2013年10月 17日 | 2013年10月 17日 | 2013年10月 17日 |
| 投与液の化学分析 | 2013年10月 17日 2013年10月 18日 | 2013年10月 18日 | 2013年10月 18日 |
| 群分け | 2013年10月 22日 | 2013年10月 22日 | 2013年10月 22日 |
| 投与 | 2013年10月 23日 | 2013年10月 23日 | 2013年10月 23日 |
| 一般状態観察 | 2013年10月 23日 | 2013年10月 23日 | 2013年10月 23日 |
| 体重測定 | 2013年10月 23日 | 2013年10月 23日 | 2013年10月 23日 |
| 摂餌量測定 | 2013年10月 23日 | 2013年10月 23日 | 2013年10月 23日 |
| 性周期検査 | 2013年10月 23日 | 2013年10月 23日 | 2013年10月 23日 |
| 生殖能検査 (交配) | 2013年11月 5日 2013年11月 6日 | 2013年11月 6日 | 2013年11月 6日 |
| 試験計画書変更書 (No.2) | 2013年11月 7日 | 2013年11月 7日 | 2013年11月 7日 |
| 分娩および哺育状態観察 | 2013年11月 28日 | 2013年11月 28日 | 2013年11月 28日 |
| 剖検・器官重量測定 | 2013年12月 2日 | 2013年12月 2日 | 2013年12月 2日 |
| 病理組織学的検査 (標本作製) | 2013年12月 5日 2013年12月 9日 2013年12月 10日 | 2013年12月 10日 | 2013年12月 10日 |
| 病理組織学的検査 (鏡検) | 2013年12月 12日 | 2013年12月 12日 | 2013年12月 12日 |
| 試験計画書変更書 (No.3) | 2014年 1月 10日 | 2014年 1月 10日 | 2014年 1月 10日 |
| 試験計画書変更書 (No.4) | 2014年 1月 31日 | 2014年 1月 31日 | 2014年 1月 31日 |
| 生データ | 2014年 2月 18日 2014年 2月 19日 2014年 2月 20日 2014年 2月 21日 2014年 2月 24日 | 2014年 2月 24日 | 2014年 2月 24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 |
|---------------|--|----------------|----------------|
| 最終報告書(草案)：図表 | 2014年2月18日 2014年2月19日 2014年2月20日 2014年2月21日 2014年2月24日 | 2014年2月24日 | 2014年2月24日 |
| 最終報告書(草案)：本文 | 2014年2月24日 2014年2月25日 2014年2月26日 | 2014年2月26日 | 2014年2月26日 |
| 最終報告書(草案)：図表* | 2014年2月28日 | 2014年2月28日 | 2014年2月28日 |
| 最終報告書(草案)：本文* | 2014年2月28日 | 2014年2月28日 | 2014年2月28日 |
| 最終報告書 | 2014年3月10日 | 2014年3月10日 | 2014年3月10日 |

* : 改善内容の確認

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)および「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)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

2014年 3月 10 日

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表題

m-エチルフェノールのラットを用いる簡易生殖発生毒性試験

試験番号

SR13055

試験目的

m-エチルフェノールを雌雄ラットに反復経口投与してその性腺機能、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。

試験実施基準および試験法ガイドライン

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

試験法ガイドライン : 「新規化学物質等に係る試験の方法について」(平成 23 年 3 月 31 日 薬食発 0331 第 7 号・平成 23・03・29 製局第 5 号・環保企発第 110331009 号 厚生労働省医薬食品局長・経済産業省製造産業局長・環境省総合環境政策局長連名通知)

動物愛護

本試験は、試験施設の動物実験倫理委員会の承認を得、かつ、標準操作手順書(動物実験倫理規定)に準拠した。

法規および基準等 : 「動物の愛護及び管理に関する法律」(昭和 48 年 10 月 1 日 法律第 105 号、最終改正 平成 24 年 9 月 5 日 法律第 79 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)
「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)

試験委託者

名称 : 厚生労働省 医薬食品局

所在地 : 東京都千代田区霞が関 1-2-2 (〒100-8916)
連絡先 : 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 : [REDACTED]

試験責任者
氏名 : [REDACTED]
所属 : 株式会社 化合物安全性研究所 安全性研究部

試験従事者およびその業務分担

被験物質管理 : [REDACTED]
動物管理 : [REDACTED]
化学分析 : [REDACTED]
検疫・馴化 : [REDACTED]

投与・観察・測定 : [REDACTED]

病理検査 : [REDACTED]

試験日程

試験開始日 : 2013 年 10 月 7 日
動物受入 : 2013 年 10 月 9 日
群分け : 2013 年 10 月 22 日
実験開始日 : 2013 年 10 月 23 日
投与開始 : 2013 年 10 月 23 日

交配開始 : 2013 年 11 月 5 日
新生児剖検開始 : 2013 年 12 月 2 日
母動物剖検開始 : 2013 年 12 月 2 日
雄動物投与終了 : 2013 年 12 月 3 日
雄動物剖検 : 2013 年 12 月 4 日
実験終了日 : 2014 年 1 月 9 日
試験終了日 : 2014 年 3 月 10 日

1 要約

m-エチルフェノールの 0 (対照 : オリブ油), 100, 300 および 1000 mg/kg/day を 1 群雌雄各 12 匹の Crl:CD(SD) ラットに、雄ラットに対しては交配前、交配期間および交配後を含む計 42 日間、雌ラットに対しては交配前、交配および妊娠期間、ならびに分娩後 3 日までの期間 (40 ~ 52 日間) 経口投与し、その性腺機能、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結果、以下の成績が得られた。

1.1 親動物について

100 mg/kg 群では、雌雄とも被験物質投与の影響は認められなかった。

300 mg/kg 群では、一般状態の変化として雌雄とも外尿道口周囲被毛汚染が観察され、雌の交配前期の体重増加量に有意な低値が認められた。

1000 mg/kg 群では、一般状態の変化として雌雄とも外尿道口周囲被毛汚染、流涎およびよろめき歩行が認められ、雌ではさらに自発運動の低下、呼吸促迫、腹臥等が認められた。体重、体重増加量および摂餌量では、雌雄とも有意な低値が認められた。剖検所見として雌雄とも前胃の粘膜肥厚または胃 (境界縁) の肥厚が認められ、病理組織学的検査では、前胃および胃 (境界縁) の過角化または扁平上皮過形成が認められた。

1.2 親動物の生殖および新生児の発生について

性周期、交尾率、受胎率、交尾所要日数、妊娠黄体数、着床数、着床率、妊娠期間、出産率、出産児数、出産児の生存児数および死亡児数、出生率、出産生児の性比には、1000 mg/kg 群まで被験物質投与に関連した変化は認められなかった。しかし、母動物の哺育状態に被験物質投与に関連した変化 (全哺育児死亡) が 1000 mg/kg 群において認められた。

次世代の発生・発育についても、1000 mg/kg 群までの新生児の一般状態、生後 0 日および生後 4 日の生存率および剖検所見に被験物質投与に関連した変化は認められなかった。新生児の体重では、1000 mg/kg 群において雌雄とも低値傾向が認められた。

以上のことから、本試験条件下における **m-エチルフェノールの親動物における無影響量 (NOEL)** および**無毒性量 (NOAEL)** は、雌雄とも 100 mg/kg/day と判断した。

一方、親動物の生殖能および次世代の発生・発育に対する無影響量 (NOEL) および無毒性量 (NOAEL) は、いずれも 300 mg/kg/day と判断した。

2 緒言

m-エチルフェノールの0(対照:オリブ油), 100, 300および1000 mg/kg/dayを1群雌雄各12匹のCrl:CD(SD)ラットに、雄ラットに対しては交配前、交配期間および交配後を含む計42日間、雌ラットに対しては交配前、交配および妊娠期間、ならびに分娩後3日までの期間(40~52日間)経口投与し、その性腺機能、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。

3 材料および方法

3.1 被験物質

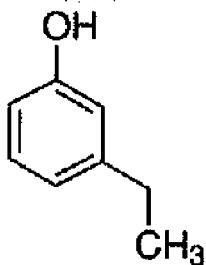
名称¹⁾ : m-エチルフェノール ; m-ethylphenol

別名¹⁾ : 3-エチルフェノール

CAS No. : 620-17-7

化審法官報公示整理番号 : (3)-500

示性式(構造式)²⁾ :



分子式¹⁾ : C₈H₁₀O

分子量²⁾ : 122.16

物理化学的性質 : 外観 ; 淡黄褐色~淡褐色透明の液体(Annex 1-1および1-2)

沸点 ; 214°C¹⁾

融点 ; -4°C¹⁾

比重 ; 1.001¹⁾

ロット番号 : BCBH7589V(動物投与期間2013年10月23日~2013年11月24日),

BCBD8341V(動物投与期間2013年11月25日~2013年12月13日)

純度 : 96.4%(BCBH7589V)(Annex 1-1), 95.7%(BCBD8341V)(Annex 1-2)

不純物 : 1.61%4-エチルフェノール, 1.19%フェノール, 0.11%2-エチルフェノール(BCBH7589V)(Annex 1-1); 1.68%4-エチルフェノール, 1.33%フェノール, 0.11%2-エチルフェノール(BCBD8341V)(Annex 1-2)

製造業者 : SIGMA-ALDRICH
 販売業者 : 純正化学株式会社
 入手量 : 1000 mL (BCBH7589V, 100 mL×7 本 ; BCBD8341V, 100 mL×3 本)
 入手日 : 2013 年 7 月 26 日
 安定性 : 投与終了後の一部を東京化成工業株式会社に送付し、特性試験を実施し、安定性を確認した (Annex 1-3).
 保存場所および保存期間 : 被験物質保存室の冷蔵室 ; 2013 年 7 月 26 日 (入手) ~ 2013 年 12 月 11 日 (最終回の投与液調製)
 保存条件 : 冷蔵(実測範囲 5.7 ~ 10.5°C), 遮光, 気密.
 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 : 各ロットについて約 5 g を採取し、試験施設の資料保存室に保存した.
 残余被験物質の処置 : 試験操作終了後、焼却処分するために、産業廃棄物として回収した.

3.2 対照物質

名称 : 日本薬局方オリブ油
 製造者 : ヤクハン製薬株式会社
 ロット番号 : 302110
 保存条件 : 室温
 使用期限 : ; 2016 年 2 月
 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 : 被験物質を精秤し、所定の濃度となるように対照物質を媒体として添加後、スターラーを用いて溶解させた.
 調製頻度 : 2~7 日に 1 回以上
 保存場所および保存期間 : 被験物質保存室の冷蔵庫 ; 2013 年 10 月 17 日 (初回調製) ~ 2013 年 12 月 13 日 (最終回投与)
 保存条件 : 冷蔵 (実測範囲 3.0 ~ 7.9°C), 遮光, 気密
 調製上の注意 : 被験物質はドラフト内で取扱い、調製の際にはマスク、手袋、保護メガネ等を着用し、吸入、眼、皮膚および衣類等との接触を避けた.
 残余投与液の処置 : 残余の投与液は、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 : 0.2 および 400 mg/mL の調製液について、調製後、室温保存条件下で 3 時間、冷蔵保存条件下で 8 日間の安定性が確認されている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、初回および雄の投与に使用する最終回調製時の調製液について確認した。 その結果、初回および最終回に調製した 20, 60 および 200 mg/mL 投与液は、含有率がそれぞれ初回で 103.5, 101.3 および 106.0%, 最終回で 99.5, 100.3 および 101.0%, 相対標準偏差が 0.0~1.7% の範囲内であり、含有率 90.0~110.0%, 相対標準偏差 5.0% 以下の判定基準に適合していることが確認された (Annex 2-1 および 2-2). |
| 濃度分析方法 | : Annex 2-3 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 | : 日本チャールス・リバー株式会社 厚木飼育センター |
| 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 | : ラットは毒性試験等で通常用いられている動物種であり、当研究所での使用経験が豊富であることからこの系統を選定した. |
| 発注動物数 | : 雌雄とも 52 匹 |
| 発注動物週齢 | : 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 262~302 g, 雌 181~221 g |
| 投与開始時週齢 | : 雌雄とも 10 週齢 |
| 投与開始時体重範囲 | : 雄 369~420 g, 雌 221~275 g |
| 群数 | : 雌雄各 4 群 |
| 各群動物数 | : 雌雄各 12 匹 |

3.5 検疫および馴化

| | |
|-------|--|
| 期間 | : 検疫期間は受入日 (検疫 1 日) から検疫 6 日までの期間. 馴化期間は検疫期間を含めた群分け日までの期間. |
| 性周期検査 | : 雌動物について、検疫終了日から群分け日までの 9 日間の性周期検査を膣垢スメア塗抹法により行った. |
| 方法 | : 一般状態を 1 日 1 回観察し、体重を受入時、検疫 6 日および群分け日に測定した. 馴化期間中の一般状態および体重について、全例で異常は認められな |

かった。性周期検査で 1 例に性周期異常が認められた。

3.6 群分け

検疫および馴化期間中に実施した一般状態観察および体重測定、さらに雌については性周期検査の結果を参考にして、動物の使用の適否を決定した。性周期に異常が認められた雌 1 例を除き、MiTOX システムを使用し、投与開始前日にその日の体重に基づいて層化無作為抽出法により各群の平均体重が均一になるように群分けを行った。群分け時の動物の体重範囲は、雄で 369～415 g、雌で 226～279 g であり、平均体重（雄 391.8 g、雌 250.9 g）の ±20% 以内であった。群分けから除外された雌雄各 4 匹は、投与開始日に試験から除外し標準操作手順書に従って安樂死させた。

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墨し、個体識別を行った。 新生児については、個体識別は行わなかった。 |
| 飼育ケージ | : 群分け前は性別毎に色分けしたラベルに試験 No., 識別 No. (受入時動物 No.), 性別, ケージ No. および種 / 系統を印字して各ケージの前面に標示した。 群分け後は性別毎に色分けしたラベルに試験 No., 動物 No., 性別, 被験物質, 用量 (経路) および種 / 系統を印字して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 | : 305 号室 |
| 温度・湿度 | : 22 ± 3°C, 50 ± 20% (実測範囲 20～24°C, 38～50%) |
| 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 4 日まで小型 |
|--------|---|

受皿と共に実験動物用床敷（ホワイトフレーク、日本チャールス・リバー株式会社）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1匹、群分け後は1匹、同居期間中は雌雄各1匹、妊娠期間中は1匹、哺育期間中は1腹毎とした。

ケージ交換：群分け時、その後は2週に1回の頻度で交換した。交尾成立雌動物についてでは妊娠0日および14日に実施した。

受皿交換：週2回以上実施した。

小型受皿の交換：妊娠20日に床敷とともに実施した。

給餌器交換：ケージ交換時に交換した。

自動給水装置の水抜き：週1回実施した。

室内の清掃：1日1回以上実施した。

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回以上実施した。

3.8.3 飼料

種類・名称：固型飼料、CRF-1

ロット番号：130507, 130802

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。

汚染物質および微生物検査：試験に悪影響を及ぼす恐れのある汚染物質あるいは微生物の有無を、使用した各ロットの飼料について分析した。汚染物質の分析はユーロフィン・フードテスティング・ジャパン株式会社（分析報告書：AR-13-JP-001292-01, AR-13-JP-002354-01）が、微生物検査は飼料製造業者（分析試験報告書：No. 13G03-074, 13G03-123）がそれぞれ行い、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株式会社 化合物安全性研究所の標準操作手順書に準拠した。分析の結果、いずれの項目にも許容値を超える値は認められなかった。

3.8.4 飲料水

種類：札幌市水道水

給水方法：自動給水装置を用いて自由に摂取させた。

汚染物質検査：試験に悪影響を及ぼす恐れのある汚染物質の有無を、2013年10月1日および2014年1月2日に当該飼育室（305号室）と同系統配管の最末端（301号室）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 : No. A253322, A254741) が行い, 分析データを入手した. 分析項目と許容値は株式会社 化合物安全性研究所の標準操作手順書に準拠した. 分析の結果, いずれの項目にも許容値を超える値は認められなかった.

3.9 被験物質の投与

3.9.1 投与量の設定

- 投与量 : 0 (対照), 100, 300 および 1000 mg/kg/day
 設定理由 : ラットにおける 28 日間反復経口投与毒性試験 (投与量 : 100, 300, 1000 mg/kg/day)³⁾において, 1000 mg/kg 群で雌雄に横臥, 腹臥, よろめき歩行または振戦が投与後約 1 時間程度観察されたが, 死亡は認められなかった. その他に外尿道口周囲被毛汚染が散見された. 体重および摂餌量では雄で低値が認められた. また, 雌雄で肝臓重量の増加が認められ, 剖検では雌雄とも前胃境界縁の肥厚, 病理組織学的に前胃境界縁の扁平上皮の過形成が認められた. 300 mg/kg 群では, 被験物質投与の影響は認められなかった. これらのことから, 簡易生殖発生毒性試験では, 高用量を 1000 mg/kg/day とし, 以下 28 日間反復経口投与毒性試験と同様の 300 および 100 mg/kg/day を設定した.

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 |
| 対照群 | 0 | 0 | 5.0 | 12 (10101 ~ 10112) | 12 (50151 ~ 50162) |
| 低用量群 | 100 | 20 | 5.0 | 12 (10201 ~ 10212) | 12 (50251 ~ 50262) |
| 中用量群 | 300 | 60 | 5.0 | 12 (10301 ~ 10312) | 12 (50351 ~ 50362) |
| 高用量群 | 1000 | 200 | 5.0 | 12 (10401 ~ 10412) | 12 (50451 ~ 50462) |

対照群には, 他の群と同様の方法で対照物質 (オリブ油) のみを投与した.

3.9.3 投与

投与方法および投与経路 : ディスポーザブル胃ゾンデおよびガラス製シリンジを用いて強制的に胃内に経口投与した.

投与回数 : 1 日 1 回, 連日投与した.

投与時刻 : 9 : 17 ~ 11 : 58

ただし, 9 : 00 ~ 12 : 00 の間に分娩中の母動物は分娩終了後 (12 : 41) に投与した.

| | |
|------------------------------|--|
| 投与期間 | : 雄 ; 交配開始前 14 日間およびその後の 28 日間, 計 42 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哺育 3 日まで, 分娩遅延例は妊娠 25 日まで, 交尾不成立例は交配期間終了後 23 日までの期間. |
| 投与液量 | : 各個体の投与液量は投与日に最も近い測定日の体重に基づいて算出した. |
| 投与方法, 投与経路, 投与回数および投与期間の選定理由 | : 試験法ガイドラインに準拠して選定した. |

3.10 観察, 測定および検査項目

投与開始日を投与 1 日, 交尾成立日を妊娠 0 日, 分娩終了日を哺育 0 日と規定した.

3.10.1 雄動物について

3.10.1.1 一般状態観察

| | |
|------|---|
| 例数 | : 全例 |
| 期間 | : 投与 1 日から投与 42 日の翌日の剖検日 (Day 43) まで |
| 頻度 | : 毎日の投与前および投与後 2 回. ただし, 剖検日は午前中に 1 回. |
| 観察方法 | : 個々の生死, 外観, 行動等について観察した. 異常が認められた場合は, その症状ならびに症状の発現および消失が観察された時刻を記録した. |

3.10.1.2 体重測定

| | |
|-------|---|
| 例数 | : 全例 |
| 測定日 | : 投与 1, 3, 7 日, その後は 7 日毎の投与前, 投与終了日および剖検日に測定した. |
| 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, 1 g 単位で記録した. |
| 体重増加量 | : 以下の式により算出した. $\text{体重増加量 (g)} = \text{投与 42 日体重 (g)} - \text{投与 1 日体重 (g)}$ |

3.10.1.3 摂餌量測定

| | |
|------|--|
| 例数 | : 全例 |
| 測定日 | : 同居開始から 2 週間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, 0.1 g 単位で記録した. |

投与開始日に適当量を測定後ケージ毎に給餌し、その後は測定日に残餌量および給餌量を測定した。ただし、剖検前日は残餌量のみ測定した。次に示す式により、摂餌量(g/rat/day)を算出した。

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

3.10.1.4 剖検

- 例数 : 全例
- 時期 : 投与 42 日の翌日 (Day 43) 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からの放血により安樂死させ、全身の器官・組織を肉眼的に観察した。また、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。なお、精巢および精巢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。
- 器官・組織名 : 精巢、精巢上体、前立腺、精嚢(凝固腺含む)、胃および肉眼的異常部位(正常組織との境界部を含む)。

3.10.1.5 器官重量測定

- 例数 : 全例
- 時期 : 剖検時
- 測定方法 : 電子式上皿天秤 (GR-200, 株式会社 エー・アンド・ディ) を用いて以下の器官の重量を測定した。左右のある器官については、左右合わせて測定した。
- 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。

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

- 器官名 : 精巢、精巢上体、精嚢(凝固腺含む)；以上(g)
前立腺；(mg)

3.10.1.6 病理組織学的検査

- 例数 : 全例について標本作製を実施し、対照群および高用量群の全例ならびに交尾不成立例(100 mg/kg 群、動物番号 10203)および交配相手雌が妊娠しなかった例(100 mg/kg 群、動物番号 10202, 300 mg/kg 群、動物番号 10303)について鏡検した。さらに、剖検時に異常所見の認められた 1000 mg/kg 群の 2 例(動物番号 10401, 10408)の胃(境界縁)，

2例(動物番号10402, 10410)の胃(前胃), 1例(動物番号10405)の切歯について鏡検した。鏡検の結果, 被験物質投与の影響と考えられる変化のみられた胃(前胃および境界縁)については, 全例の標本を作製し, 鏡検を実施した。

検査方法 : パラフィン包埋後薄切り, ヘマトキシリン・エオジン染色標本を作製して鏡検した。

器官・組織名 : 精巣および精巣上体, 前立腺, 精嚢(凝固腺含む).
精巣については, 精子形成について精査した。

3.10.2 雌動物について

3.10.2.1 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 : 雄動物と同じ

観察方法 : 雄動物と同じ

3.10.2.2 体重測定

例数 : 全例

測定日 : 投与1, 3, 7, 14日の投与前,

妊娠0, 7, 14および20日の投与前,

哺育0日の投与前および哺育4日.

ただし, 不妊例は妊娠26日(剖検日),

交尾不成立例については, 投与21, 28, 35, 42, 49日の投与前および剖検日(投与51日の翌日),

哺育児が全て死亡した例は発見日(剖検日)

測定方法 : 雄動物と同じ

体重増加量 : 以下の式により算出した.

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4日体重(g)-哺育0日体重(g)

3.10.2.3 摂餌量測定

- 例数 : 全例
- 測定日 : 同居開始から 2 週間, ならびに不妊例および交尾不成立例の剖検日を除き, 体重測定の測定日と同じ. ただし, 妊娠 20 日および哺育 4 日は残量のみ, 妊娠 0 日および哺育 0 日は給餌量のみ.
- 測定方法 : 雄動物と同じ

3.10.2.4 剖検

- 例数 : 全例
- 時期 : 哺育 4 日
ただし, 交尾不成立例は交配期間終了後 24 日 (投与 51 日の翌日) に, 妊娠 25 日まで分娩が認められない交尾成立例は妊娠 26 日に, 哺育児が全て死亡した例は発見日に実施した.
- 検査方法 : 雄動物と同様に剖検し, 以下の器官・組織を 10% 中性緩衝ホルマリンに固定・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. 妊娠黄体数および着床痕数を数えた.
- 器官・組織名 : 卵巣, 子宮, 膀胱, 乳腺, 胃および肉眼的異常部位 (正常組織との境界部を含む).

3.10.2.5 器官重量測定

- 例数 : 全例
- 時期 : 剖検時
- 測定方法 : 雄動物と同じ
- 相対重量の算出 : 雄動物と同じ
- $$\text{相対重量 (mg/100 g)} = \frac{\text{絶対重量 (mg)}}{\text{剖検日体重 (g)}} \times 100$$
- 器官名 : 卵巣 ; (mg)

3.10.2.6 病理組織学的検査

- 例数 : 全例について標本作製を実施し, 対照群および高用量群の全例ならびに交尾不成立例 (100 mg/kg 群, 動物番号 50253) および不妊例 (100 mg/kg 群, 動物番号 50252, 300 mg/kg 群, 動物番号 50353) について鏡検した. さらに, 剖検時に異常所見の認められた 1000 mg/kg 群の 4 例 (動物番号 50454, 50455, 50456, 50457) の胃 (前胃), 100 mg/kg 群の 1 例 (動物番号 50255) の脾臓についても鏡検した. 鏡検の結果,

被験物質投与の影響と考えられる変化のみられた胃(前胃および境界線)については、全例の標本を作製し、鏡検を実施した。

検査方法 : 雄動物と同じ

器官・組織名 : 卵巣、子宮および臍

3.10.3 雌雄動物の生殖および新生児の発生について

3.10.3.1 性周期検査

例数 : 雌の全例

期間 : 投与開始日から交尾成立日まで。

交尾不成立例については交配終了日まで。

方法 : ギムザ染色による臍塗抹標本を作製し、光学顕微鏡下で性周期段階を判定した。

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休止期)を4日から6日の間隔で繰り返すものを正常とした。発情期あるいは発情休止期が7日以上継続してみられるものを連続発情または連続非発情とし、異常と判定した。

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。

3.10.3.2 生殖能検査

例数 : 雌雄の全例

時期 : 投与14日より最長14日間(交配開始日の翌日を交配1日とした)。

交配組合せ : 同一群の動物番号末尾が同一の動物を一対とした。

方法 : 同試験群内の雌雄1対を交配開始日の夕刻より交尾が確認されるまで連続同居させた。

交尾成立の確認方法 : 臍内または受皿上に落下した臍栓、あるいは臍塗抹標本中の精子確認を行った。いずれかが認められた日を交尾成立日(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起算した。

次式から群毎に交尾率を算出した。

$$\text{交尾率 (Copulation index, \%)} = \frac{\text{交尾成立動物数}}{\text{同居動物数}} \times 100$$

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計数により行った。次式から群毎に受胎率を算出した。

$$\text{受胎率(Fertility index, \%)} = \frac{\text{受胎動物数}}{\text{交尾成立動物数}} \times 100$$

3.10.3.3 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は全例自然分娩させた。
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。
- 分娩終了の確認 : 9 : 00 までに分娩終了した場合にその日を哺育 0 日 (生後 0 日) とした。
次式から群毎に出産率を算出した。
- 出産率 (Gestation index, %) = $\frac{\text{正常出産雌数}}{\text{妊娠雌数}} \times 100$
- 妊娠期間の算出 : 妊娠 0 日から哺育 0 日までの期間の日数を計数した。
- 着床率の算出 : 剖検時に各雌の卵巢の妊娠黄体数を計数した。次式から腹毎に着床率を算出した。
- 着床率 (Implantation index, %) = $\frac{\text{着床数}}{\text{黄体数}} \times 100$
- 出産児の観察 : 生後 0 日のすべての出産児について生死および性別を確認し、外表を観察した。腹毎に生存児数と死亡児数とを計数し、それらの合計を出産児数とした。次式から腹毎に出生率、生存児の外表異常児出現率および群毎の性比を算出した。
- 出生率 (Birth index, %) = $\frac{\text{生後 0 日の生存児数}}{\text{着床数}} \times 100$
- 出産生児の性比 (Sex ratio, %) = $\frac{\text{雄生存児数}}{\text{雄生存児数} + \text{雌生存児数}} \times 100$
- 外表異常児出現率(%) = (外表異常児数 / 出産生児数) × 100
- 外表異常児を持つ腹の頻度 = 外表異常児を持つ腹数 / 出産動物数

3.10.3.4 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 4 日までとした。
- 観察方法 : 生後 0 日および 4 日に生死を確認し、一般状態は毎日 1 回観察した。

なお、死亡例は発見日に可能な限り剖検した。

新生児生存率の算出 : 生後 0 日および生後 4 日の新生児生存率を次式から算出した。

$$\text{生後 0 日の生存率 (Viability index, \%)} = \frac{\text{生後 0 日の生存児数}}{\text{出産児数}} \times 100$$

$$\text{生後 4 日の生存率 (Viability index, \%)} = \frac{\text{生後 4 日の生存児数}}{\text{生後 0 日の生存児数}} \times 100$$

3.10.3.5 新生児の体重測定

例数・時期 : 生存児全例について、生後 0 および 4 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・ディ) を用いて個別に測定し、0.1 g まで記録した。雌雄別に腹あたりの平均体重を算出した。

3.10.3.6 新生児の剖検

時期・例数 : 生後 4 日に全例について実施した。

検査方法 : 体外表 (口腔内を含む) を観察し、ペントバルビタールナトリウム過剰投与により安楽死させ、全身の器官・組織を肉眼的に観察した。

3.11 統計学的方法

コンピュータシステム (MiTOX, 三井造船システム技研株式会社) を用いて実施した。

体重、体重増加量、摂餌量、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、妊娠黄体数、着床数および着床率、出産児数、出産時の生存児数および死亡児数、出生率、妊娠期間、生後 4 日の生存率および外表異常児出現率の成績について群平均および標準偏差を算出し、Bartlett の検定法を行い、等分散性を解析した。等分散 ($p \geq 0.05$) の場合は一元配置分散分析法で解析し、不等分散 ($p < 0.05$) の場合は Kruskal-Wallis の検定法で解析した。一元配置分散分析の結果、有意差がみられた場合 ($p < 0.1$) は Dunnett の検定法を用いて対照群との比較を行った。Kruskal-Wallis 法の解析の結果、有意差がみられた場合 ($p < 0.1$) は Steel の検定法を用い対照群との比較を行った。なお、生後 0 日の生存率は別途統計解析システム (三研システム株式会社) を用いて上記と同様の検定を実施した。

性周期の異常の発現率、交尾率、受胎率、出産率、児動物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については、Fisher の正確確率検定法を用いた。

対照群との比較検定については、有意水準は 5%とした。

3.12 コンピュータシステム (MiTOX システム) の利用

生データ収集は以下の方法で実施した。

オンラインデータ ; 雌雄親動物の一般状態、体重および摂餌量(交尾成立雌は妊娠 20 日まで), 器官重量(雄), 病理組織学的検査
 オフラインデータ ; 性周期検査, 生殖能検査, 黄体数, 着床痕数, 生存児数, 死亡児数, 哺育期間中の母動物の一般状態, 体重および摂餌量, 剖検および器官重量(雌), ならびに新生児の性別, 一般状態, 体重および剖検
 コンピュータプロトコールには, データ収集の項目, 日程等を登録した.

4 成績

4.1 親動物について

4.1.1 一般状態

一般状態の成績を Table 1-1 ~ 1-11, Appendix 1-1 ~ 1-39 に示す.

雄では, 上切歯の破折が 100, 300 および 1000 mg/kg 群において各 1 例に認められた. 100 mg/kg 群ではその他に異常はみられなかった. 300 mg/kg 群では加えて, 外尿道口周囲被毛汚染が投与 15 日に 3 例および 16 日に 2 例に認められた. 1000 mg/kg 群では, 外尿道口周囲被毛汚染が投与 3~5 日, 13~17 日, 19~22 日, 30 日, 33~39 日, 41 日, 42 日および剖検日に 1~6 例に, よろめき歩行が投与 3 日, 4 日, 14 日および 17 日に各 1 例に, 流涎が投与 16 日に 3 例に認められた. よろめき歩行は投与後約 30 分経過後から約 1 時間, 流涎は投与直後から約 1.5 時間継続後に回復した.

雌では, 100 mg/kg 群では投与期間中いずれの動物にも異常は認められなかった. 300 mg/kg 群では, 外尿道口周囲被毛汚染が投与 15~17 日に 1 例に認められた. 1000 mg/kg 群では, 外尿道口周囲被毛汚染が投与 8 日, 9 日, 11~17 日, 30 日, 32 日, 33 日および 35~37 日, 妊娠 2 日, 3 日および 17 日に 1~5 例に, 自発運動の低下が投与 3 日および 4 日に各 1 例に, よろめき歩行が投与 3 日に 1 例に, 流涎が投与 10 日に 1 例に, 呼吸促迫が妊娠 21 日に 1 例に, 腹臥が妊娠 21 日および 22 日に各 1 例に, 横臥が哺育 2 日に 1 例に認められた. 自発運動の低下およびよろめき歩行は投与後約 30 分経過後から約 30 分間, 流涎は投与直後から約 1 時間, 呼吸促迫および腹臥は投与後約 1 時間経過後から約 2 時間, 横臥は投与後約 30 分経過後から約 2 時間継続後に回復した.

4.1.2 体重

体重推移を Figure 1-1 および 1-2, Table 2-1 ~ 2-4, Appendix 2-1 ~ 2-20 に示す.

雄では, 100 および 300 mg/kg 群では対照群と比較して有意な差は認められなかった. 1000 mg/kg 群では, 投与期間を通じて有意な低値が認められた. 同群では体重増加量にも有意な低値が認められた.

雌では、100 mg/kg 群では対照群と比較して有意な差は認められなかった。300 mg/kg 群では交配前期間の体重増加量に有意な低値が認められた。1000 mg/kg 群では、投与 7 日以降投与期間を通じて有意な低値が認められた。同群では交配前期間および妊娠期間の体重増加量にも有意な低値が認められた。

4.1.3 摂餌量

摂餌量を Figure 2-1 および 2-2, Table 3-1 ~ 3-4, Appendix 3-1 ~ 3-20 に示す。

雄では、100 および 300 mg/kg 群では対照群と比較して有意な差は認められなかった。1000 mg/kg 群では、投与 3 日および 7 日に有意な低値が認められた。

雌では、100 および 300 mg/kg 群では対照群と比較して有意な差は認められなかった。1000 mg/kg 群では、投与 3 日および 7 日ならびに妊娠 7 日に有意な低値が認められた。

4.1.4 剖検

剖検所見を Table 4-1 ~ 4-3, Appendix 4-1 ~ 4-10 に示す。

雄の対照群（全例の相手雌は妊娠）では異常所見は認められず、100 mg/kg 群では、交尾不成立例、相手雌の妊娠例および不妊例のいずれにおいても異常所見は認められなかった。300 mg/kg 群では、相手雌が妊娠例および不妊例のいずれにおいても異常所見は認められなかった。1000 mg/kg 群では、切歯の破折が 1 例（相手雌が妊娠の例）、前胃の粘膜肥厚が 2 例（相手雌が妊娠の例）、胃（境界縁）の肥厚が 2 例（相手雌が妊娠の例）に認められたが、交尾不成立例では異常所見は認められなかった。

雌の哺育 4 日剖検例では、対照群および 300 mg/kg 群で異常所見は認められなかった。100 mg/kg 群では、脾臓の変形および脂肪組織との癒着が 1 例に認められ、1000 mg/kg 群では前胃の限局性粘膜肥厚が 2 例に認められた。交尾不成立例では、100 mg/kg 群で異常所見は認められなかつたが、1000 mg/kg 群で前胃の限局性粘膜肥厚が 1 例に認められた。不妊例では、100 mg/kg 群で子宮角部の白色粘液貯留および膣の閉鎖が 1 例に、300 mg/kg 群で膣の閉鎖が 1 例に認められた。全哺育児死亡例では、100 mg/kg 群では異常所見は認められなかつたが、1000 mg/kg 群では、前胃の限局性粘膜肥厚が 1 例に認められた。

4.1.5 器官重量

器官重量の成績を Table 5-1 および 5-2, Appendix 5-1 ~ 5-10 に示す。

雄では、100 および 300 mg/kg 群では対照群と比較して有意な差は認められなかつた。1000 mg/kg 群では、剖検日の体重に有意な低値がみられ、精巢、精巢上体および精嚢の相対重量に有意な高値が認められた。

雌では、100 および 300 mg/kg 群では対照群と比較して有意な差は認められなかつた。1000 mg/kg 群では、剖検日の体重に有意な低値がみられ、卵巣の相対重量に有意な高値が認められ

た。

4.1.6 病理組織学的検査

病理組織学的所見を Table 6-1 ~ 6-4, Appendix 6-1 ~ 6-12 に示す。

全例を検査した胃では、雄の 1000 mg/kg 群で前胃の過角化が 4 例 (軽微) に、境界縁の過角化が 6 例 (軽微), 扁平上皮過形成が 1 例 (軽微) に認められ、境界縁の過角化の発生数は対照群と比較して有意に高値であった。雌の哺育 4 日剖検例では、1000 mg/kg 群で前胃の過角化が 3 例 (軽微 2, 軽度 1), 扁平上皮過形成が 2 例 (軽微) に、境界縁の過角化が 2 例 (軽微) に認められた。交尾不成立例では、1000 mg/kg 群で前胃の過角化および境界縁の扁平上皮過形成が 1 例 (いずれも軽微) に、全哺育児死亡例では、1000 mg/kg 群で前胃の過角化 (軽度) および扁平上皮過形成 (軽微) が 1 例に認められた。雌雄ともに対照群、100 および 300 mg/kg 群では異常所見は認められなかった。

剖検時にみられた異常所見では、雄の 1000 mg/kg 群で切歯の破折に対応して歯肉の炎症 (軽微) が認められ、雌の 100 mg/kg 群で脾臓の変形および脂肪組織との瘻着に対応して被膜炎 (軽微) が認められた。

生殖器官の検査では、雄の対照群において、精巣で精細管の萎縮が 3 例 (軽微 2, 軽度 1) に、精巣上体で管腔内細胞残屑が 3 例 (軽微) に、前立腺で炎症が 5 例 (軽微) に認められた。100 および 300 mg/kg 群の交尾不成立例または不妊例では異常所見は認められなかった。1000 mg/kg では、精巣で精細管の萎縮が 3 例 (軽微) に、精巣上体で管腔内細胞残屑が 1 例 (軽微), 精子肉芽腫が 1 例 (軽微) に、前立腺で炎症が 2 例 (軽微) に認められた。

雌の哺育 4 日剖検例では、対照群および 1000 mg/kg 群で異常所見は認められなかった。100 および 1000 mg/kg 群の交尾不成立例では異常所見は認められなかった。不妊例では、100 mg/kg 群で子宮角部の内腔拡張 (軽微) および腔の中隔 (軽度) が 1 例に、300 mg/kg 群で腔の中隔が 1 例 (軽度) に認められた。腔の中隔については不妊の原因である可能性が考えられたが、この変化は自然発生が知られている⁴⁾ことから、被験物質投与とは関連のない変化と考えられた。100 および 1000 mg/kg 群の全哺育児死亡例では異常所見は認められなかった。

4.2 雌雄動物の生殖および新生児の発生について

4.2.1 性周期

性周期の成績を Table 7, Appendix 7-1 ~ 7-8 に示す。

交配前 14 日間の性周期観察において、いずれの群の動物にも性周期に異常はなく、発情期間隔および発情回数には、各被験物質投与群と対照群との間に有意な差は認められなかった。

100 mg/kg 群の 2 例および 1000 mg/kg 群の 1 例で交配期間中に連続非発情がみられたが、発生頻度が低いことから、被験物質投与との関連性はないものと判断された。

4.2.2 生殖能検査

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

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

なお, 交尾不成立例が 100 および 1000 mg/kg 群で各 1 組 (動物番号 10203, 50253, 10404, 50454), 不妊例が 100 および 300 mg/kg 群で各 1 組 (動物番号 10202, 50252, 10303, 50353) に認められたが, 発生頻度が低いことから, 被験物質投与との関連性はないものと判断された。

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 9-1 ~ 9-3, Appendix 9-1 ~ 9-12 に示す。

妊娠黄体数, 着床数, 着床率, 妊娠期間, 出産率, 出産児数, 出産児の死亡児数、出生率, 出産生児の性比には, いずれも被験物質投与群と対照群の間に有意な差は認められなかった。1000 mg/kg 群において雌出産児の生存児数に有意な低値が認められたが, 雌雄の合計では有意な差はみられなかったことから, 偶発的なものと考えられた。また, すべての生存児に外表異常は認められなかった。

100 および 1000 mg/kg 群において, 全哺育児死亡が各 1 例 (動物番号 50261, 50457) に認められた。100 mg/kg 群では, 母動物の一般状態の変化は認められなかつたが哺育 3 日に新生児の全例が死亡した。1000 mg/kg 群の母動物については, 妊娠 21 および 22 日に投与後臨床症状 (呼吸促迫, 腹臥) がみられ, 出産時に 10 例中 7 例の新生児の死亡がみられ, 哺育 1 日に残りの新生児が全例死亡した。

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 10 および 11, Appendix 10-1 ~ 10-8, 11-1 ~ 11-4 に示す。

100 および 300 mg/kg 群の各 1 例の新生児で生後 4 日にミルクバンド が認められなかつたが, 母動物に異常はみられず, 発生頻度も低いことから, 被験物質投与との関連性はないと考えられた。1000 mg/kg 群では, 1 腹 (動物番号 50457) の 3 例の新生児で生後 0 日にミルクバンド が認められず, 生後 1 日に全哺育児が死亡した。

生後 0 日および 4 日の生存率には, 被験物質投与群と対照群の間に有意な差は認められなかつた。

4.2.5 新生児の体重

新生児の体重の成績を Figure 3, Table 12, Appendix 12-1 ~ 12-4 に示す。

100 および 300 mg/kg 群では, 生後 0 日および 4 日の体重に, 雌雄とも被験物質投与群と対照群の間に有意な差は認められなかつた。1000 mg/kg 群では, 生後 0 日の体重に, 統計学的に有

意な差ではなかったが、雌雄とも低値傾向を示した。

4.2.6 新生児の剖検

新生児の剖検の成績を Table 13, Appendix 13-1 ~ 13-4 に示す。

生後 4 日の生存児の剖検では、対照群を含むいずれの試験群の動物にも異常は認められなかつた。生後 0~4 日の死亡児には異常は認められなかつた。

5 考察

m-エチルフェノールの 0 (対照: オリブ油), 100, 300 および 1000 mg/kg/day を 1 群雌雄各 12 匹の Crl:CD(SD) ラットに、雄ラットに対しては交配前、交配期間および交配後を含む計 42 日間、雌ラットに対しては交配前、交配および妊娠期間、ならびに分娩後 3 日までの期間 (40 ~ 52 日間) 経口投与し、その性腺機能、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。

5.1 親動物について

100 mg/kg 群では、雌雄とも被験物質投与の影響は認められなかつた。

300 mg/kg 群では、一般状態の変化として雌雄とも外尿道口周囲被毛汚染が認められ、また、雌の交配前期間の体重増加量に有意な低値も認められ、これらは被験物質投与に関連する変化と考えられた。

1000 mg/kg 群では、一般状態の変化として雌雄とも外尿道口周囲被毛汚染、流涎およびよろめき歩行が認められ、雌ではさらに自発運動の低下、呼吸促迫、腹臥等が認められた。体重、体重増加量および摂餌量では、雌雄とも有意な低値が認められ、いずれの変化も被験物質投与の影響と考えられた。同群では、雌雄とも剖検時に前胃の粘膜肥厚あるいは胃 (境界縁) の肥厚が散見され、病理組織学的検査では、前胃および胃 (境界縁) に過角化あるいは扁平上皮過形成が認められ、被験物質の粘膜刺激性を示唆する変化と考えられた。

器官重量測定では、1000 mg/kg 群で、精巣、精巣上体、精嚢および卵巣の相対重量の高値が認められたが、体重の低値による二次的な変化であると考えられた。

5.2 雌雄動物の生殖および新生児の発生について

親動物の生殖能については、性周期、交尾率、受胎率、交尾所要日数、妊娠黄体数、着床数、着床率、妊娠期間、出産率、出産児数、出産児の生存児数および死亡児数、出生率、出産生児の性比には、1000 mg/kg 群まで被験物質投与に関連した変化は認められなかつた。

100 および 1000 mg/kg 群において、全哺育児死亡が各 1 例に認められた。100 mg/kg 群での発

生については、300 mg/kg 群に異常が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。1000 mg/kg 群での発生については、母動物に一般状態の変化が認められしたことと、位置異性体である *p*-エチルフェノールの簡易生殖毒性試験⁵⁾でも報告されていることから、哺育状態に対する被験物質投与の影響である可能性が示唆された。

次世代の発生・発育については、1000 mg/kg 群までの新生児の一般状態、生後 0 日および生後 4 日の生存率および剖検所見に被験物質投与に関連した変化は認められなかった。体重では、1000 mg/kg 群において生後 0 日に、統計学的に有意な差ではなかったが、雌雄とも低値傾向を示し、被験物質投与との関連性が示唆された。

以上のことから、本試験条件下における *m*-エチルフェノールの親動物における無影響量 (NOEL) および無毒性量 (NOAEL) は、被験物質投与に関連した変化として 300 mg/kg 群の雌雄で一般状態の変化および雌の体重増加量の低値が認められ、1000 mg/kg 群では加えて体重および摂餌量の低値、腎に病理学的所見が認められたことから、雌雄とも 100 mg/kg/day と判断した。

一方、親動物の生殖能および次世代の発生・発育に対する無影響量 (NOEL) および無毒性量 (NOAEL) は、1000 mg/kg 群において母動物の哺育状態の変化ならびに新生児の体重の低値傾向が認められたことから、いずれも 300 mg/kg/day と判断した。

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

2013年11月5日に、被験物質保存室の冷蔵室の最高温度が、冷却装置の霜取りが原因で約2分間、試験施設の標準操作手順書に規定されている設定範囲の上限(10°C)より最大0.5°C逸脱した。しかし、短時間であり、程度も僅かであることから、試験の信頼性に対する影響はない判断した。

高用量群(動物番号50455)の生後0日の観察において新生児の性別の判定を誤ったため、新生児の体重のデータが1腹欠値となった。しかし、同群の標本数は10例であり、試験法ガイドラインで推奨される例数(妊娠動物として8例以上)を満たすことから、試験結果の評価に問題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

以下の資料を、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) 製品安全データシート. シグマ アルドリッヂ ジャパン合同会社
- 2) Sigma-Aldrich USA home 04688 - 3-ethylphenol
- 3) 最終報告書 : m-エチルフェノールのラットにおける28日間反復経口投与毒性試験. 株式会社 化合物安全性研究所.
- 4) S. Lezmi et.al., Spontaneous Metritis Related to the Presence of Vaginal Septum in Pregnant Sprague Dawley Crl:CD(SD) Rats: Impact on Reproductive Toxicity Studies. Veterinary Pathology, 48(5): 964-969, 2011
- 5) 最終報告書訂正版 : p-エチルフェノールのラットを用いる経口投与簡易生殖毒性試験. 財団法人食品薬品安全センター秦野研究所.

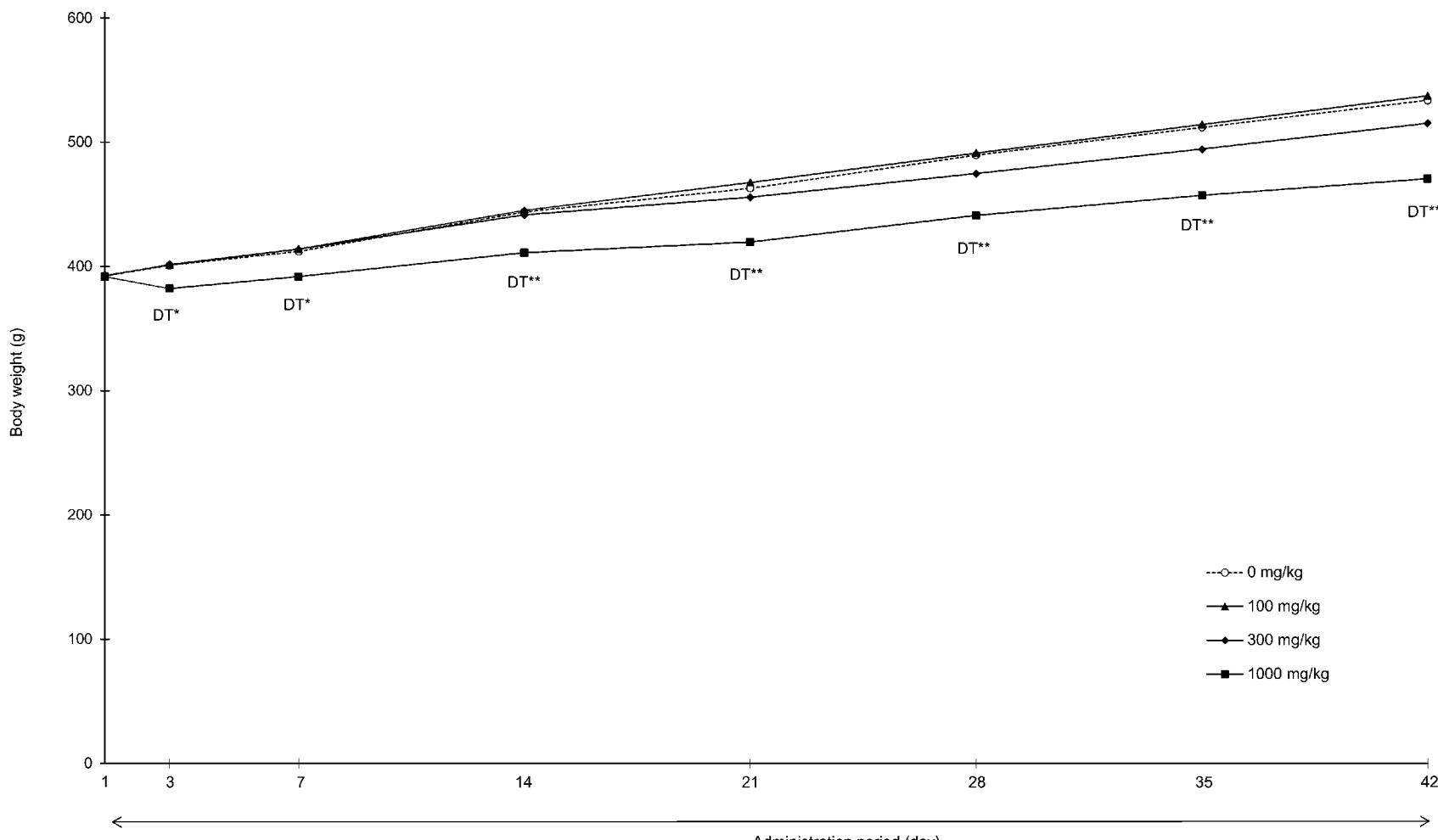
Figure 1 - 1

Study No. : SR13055

Body weight, Male

Period : Day 1-42

Species : Rat



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

Figure 1 - 2

Study No. : SR13055

Body weight, Female

Period : F0 before mating Day 1-14, F0 gestation Day 0-20, F0 lactation Day 0-4

Species : Rat

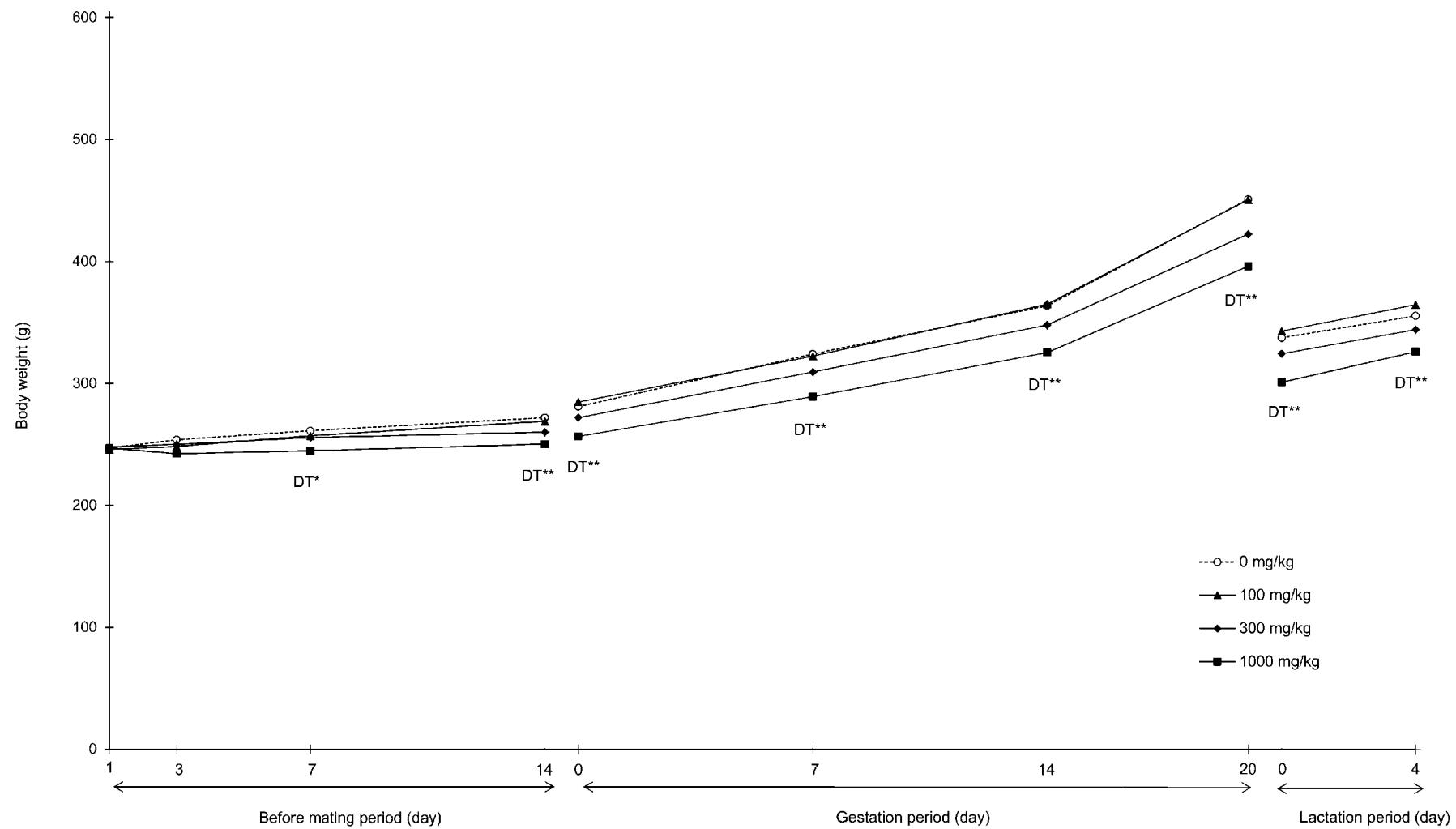
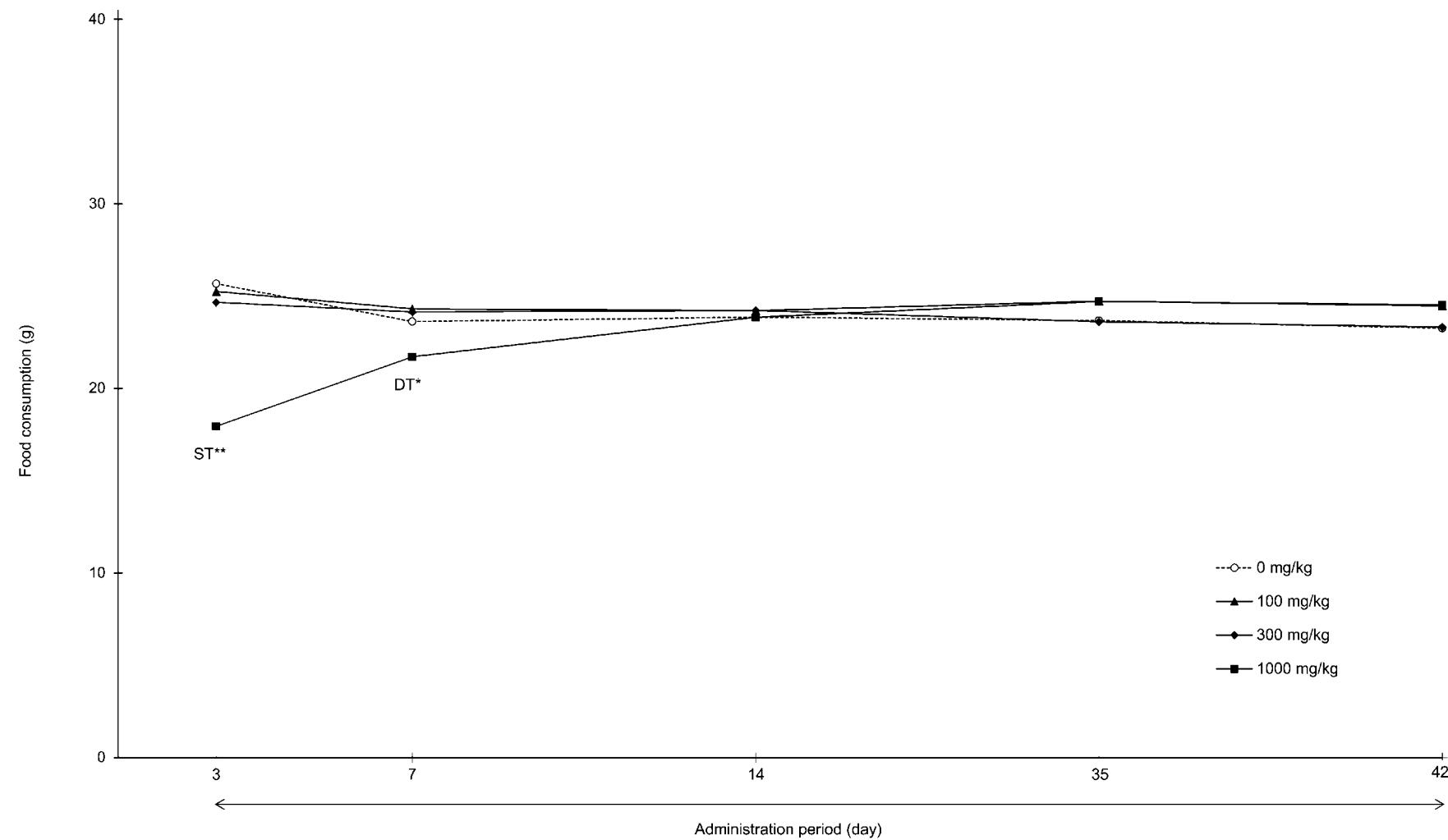


Figure 2 - 1

Study No. : SR13055

Food consumption, Male Period : Day 1-42 Species : Rat



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

Figure 2 - 2

Study No. : SR13055

Food consumption, Female

Period : F0 before mating Day 1-14, F0 gestation Day 0-20, F0 lactation Day 0-4

Species : Rat

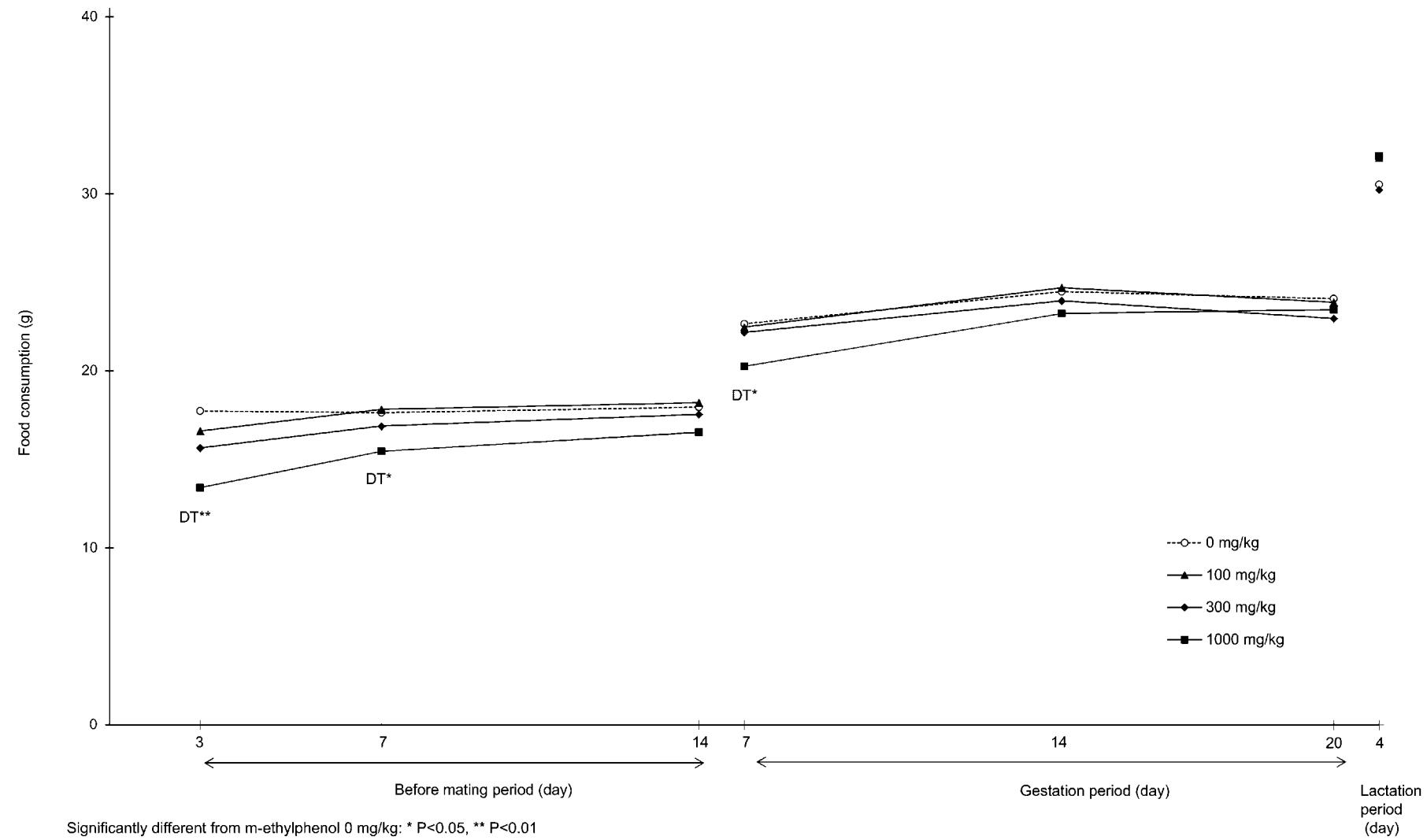


Figure 3

Study No. : SR13055

Body weight of offspring

Period : Lactation Day 0-4

Species : Rat

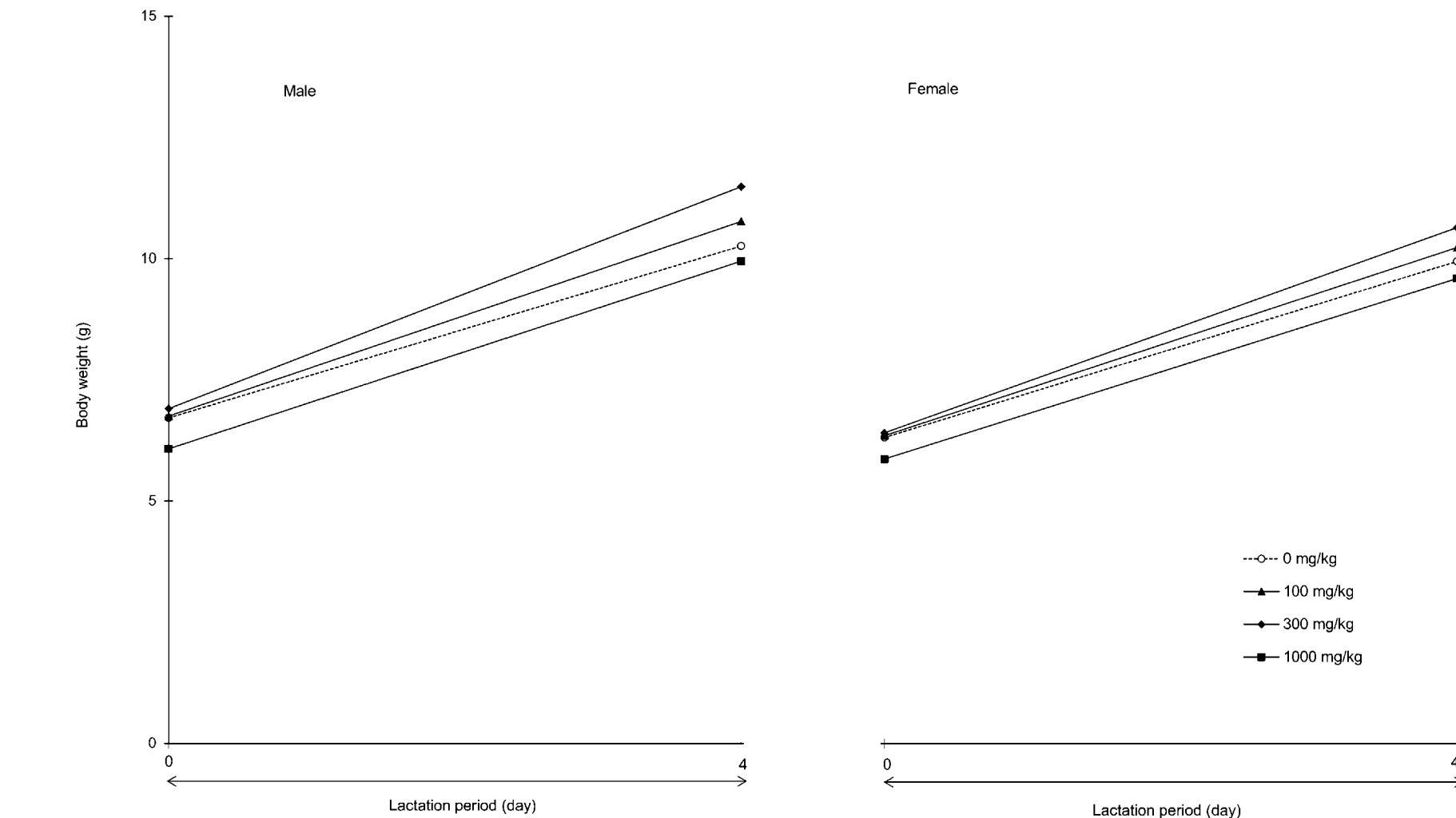


Table 1 - 1

Study No. : SR13055

| Test article Dose | Clinical sign Sex : Male | Period : Day 1-43 | | | | | | | | | | | | Species : Rat | | | | | |
|-----------------------------|---|-------------------|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| | | Day 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | 6 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | |
| m-ethylphenol 0 mg/kg | n No abnormality | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| m-ethylphenol 100 mg/kg | n No abnormality Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| m-ethylphenol 300 mg/kg | n No abnormality Soil of perigenital fur Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| m-ethylphenol 1000 mg/kg | n No abnormality Staggering gait Soil of perigenital fur Salivation Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| <hr/> | | | | | | | | | | | | | | | | | | | |
| Test article Dose | Clinical signs | Day 6 | | | 7 | | | 8 | | | 9 | | | 10 | | | 11 | | |
| | | Time | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | |
| | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| m-ethylphenol 0 mg/kg | n No abnormality | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| m-ethylphenol 100 mg/kg | n No abnormality Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| m-ethylphenol 300 mg/kg | n No abnormality Soil of perigenital fur Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| m-ethylphenol 1000 mg/kg | n No abnormality Staggering gait Soil of perigenital fur Salivation Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

F3:Upper incisor

Table 1 - 2

Study No. : SR13055

| Test article Dose | Clinical sign Sex : Male | Period : Day 1-43 | | | | | | | | | | | | Species : Rat | | | | | |
|-----------------------------|---|-----------------------------|---|----|--------|----|----|--------|----|----|--------|----|----|---------------|----|----|--------|----|----|
| | | Day 11 | | | Day 12 | | | Day 13 | | | Day 14 | | | Day 15 | | | Day 16 | | |
| | | Time | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | |
| m-ethylphenol 0 mg/kg | n No abnormality | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| m-ethylphenol 100 mg/kg | n No abnormality Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| m-ethylphenol 300 mg/kg | n No abnormality Soil of perigenital fur Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 9 | 9 | 9 | 11 | 10 | |
| m-ethylphenol 1000 mg/kg | n No abnormality Staggering gait Soil of perigenital fur Salivation Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 10 | 10 | 9 | 12 | 10 | 11 | 6 | 6 | 6 | 7 | 4 | 7 | |
| 37 | Test article Dose | Day 17 | | | | | | | | | | | | Day 17 | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | |
| | | m-ethylphenol 0 mg/kg | n No abnormality | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | | m-ethylphenol 100 mg/kg | n No abnormality Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | | m-ethylphenol 300 mg/kg | n No abnormality Soil of perigenital fur Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | | m-ethylphenol 1000 mg/kg | n No abnormality Staggering gait Soil of perigenital fur Salivation Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | | | | | 9 | 9 | 12 | 12 | 12 | 12 | 10 | 10 | 11 | 11 | 10 | 10 | 11 | 11 | 10 |
| | | | | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

F3:Upper incisor

Table 1 - 3

Study No. : SR13055

| Test article Dose | Clinical sign Sex : Male | Period : Day 1-43 | | | | | | | | | | | | | | Species : Rat | | | | | |
|-----------------------------|---|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|----|
| | | Day 22 | | 23 | | 24 | | 25 | | 26 | | 27 | | 28 | | 29 | | 30 | | 31 | |
| | | Time | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| m-ethylphenol 0 mg/kg | n No abnormality | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| m-ethylphenol 100 mg/kg | n No abnormality Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| m-ethylphenol 300 mg/kg | n No abnormality Soil of perigenital fur Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 |
| m-ethylphenol 1000 mg/kg | n No abnormality Staggering gait Soil of perigenital fur Salivation Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Test article Dose | Clinical signs | Day | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| | | Time | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| m-ethylphenol 0 mg/kg | n No abnormality | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| m-ethylphenol 100 mg/kg | n No abnormality Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| m-ethylphenol 300 mg/kg | n No abnormality Soil of perigenital fur Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 |
| m-ethylphenol 1000 mg/kg | n No abnormality Staggering gait Soil of perigenital fur Salivation Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

F3:Upper incisor

Table 1 - 4

Study No. : SR13055

| Test article Dose | Clinical sign Sex : Male | Period : Day 1-43 | | | | | | | | | | | | | | Species : Rat | |
|-----------------------------|---|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|
| | | Day 33 | | | 34 | | | 35 | | | 36 | | | 37 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | |
| m-ethylphenol 0 mg/kg | n No abnormality | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| m-ethylphenol 100 mg/kg | n No abnormality Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| m-ethylphenol 300 mg/kg | n No abnormality Soil of perigenital fur Crushing of incisors (F3) | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 |
| m-ethylphenol 1000 mg/kg | n No abnormality Staggering gait Soil of perigenital fur Salivation Crushing of incisors (F3) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 39 | | | | | | | | | | | | | | | | | |
| Test article Dose | Clinical signs | Day 38 | | | 39 | | | 40 | | | 41 | | | 42 | | | |
| | | Time | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 4 |
| m-ethylphenol 0 mg/kg | n No abnormality | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| m-ethylphenol 100 mg/kg | n No abnormality Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| m-ethylphenol 300 mg/kg | n No abnormality Soil of perigenital fur Crushing of incisors (F3) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| m-ethylphenol 1000 mg/kg | n No abnormality Staggering gait Soil of perigenital fur Salivation Crushing of incisors (F3) | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

F3:Upper incisor

Table 1 - 5

Study No. : SR13055

| Clinical sign Sex : Female | | | Period : F0 Day 1-52 | | | | | | | | | | | | Species : Rat | | | | | |
|-------------------------------|--------------------------------|----------------|----------------------|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|---|
| Test article | Dose | Clinical signs | Day 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | 6 | | |
| | | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | |
| m-ethylphenol | 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 | | |
| m-ethylphenol | n | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| 100 mg/kg | No abnormality | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| m-ethylphenol | n | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| 300 mg/kg | No abnormality | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| | Soil of perigenital fur | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| m-ethylphenol | n | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| 1000 mg/kg | No abnormality | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 12 | 12 | 11 | 12 | 12 | 12 | 12 | | |
| | Decrease in locomotor activity | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | |
| | Staggering gait | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | Soil of perigenital fur | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | Salivation | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Test article | | | Day 6 | | | 7 | | | 8 | | | 9 | | | 10 | | | 11 | | |
| Dose | Clinical signs | | Time | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | |
| m-ethylphenol | 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 | |
| m-ethylphenol | n | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| 100 mg/kg | No abnormality | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| m-ethylphenol | n | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| 300 mg/kg | No abnormality | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| | Soil of perigenital fur | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| m-ethylphenol | n | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| 1000 mg/kg | No abnormality | | | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 12 | 12 | 12 | 11 | 12 | 12 | 12 | 12 | |
| | Decrease in locomotor activity | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Staggering gait | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Soil of perigenital fur | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | |
| | Salivation | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| Test article | | | Day 11 | | | 12 | | | 13 | | | 14 | | | 15 | | | 16 | | |
| Dose | Clinical signs | | Time | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | |
| m-ethylphenol | n | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 8 | 8 | 8 |
| 0 mg/kg | No abnormality | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 8 | 8 | 8 | |
| m-ethylphenol | n | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 8 | 8 | 8 | 7 | 7 | 7 |
| 100 mg/kg | No abnormality | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 8 | 8 | 8 | 7 | 7 | 7 | |
| m-ethylphenol | n | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 10 | 10 | 10 | 9 | 9 | 9 |
| 300 mg/kg | No abnormality | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 10 | 9 | 9 | 8 | 8 | 8 | |
| | Soil of perigenital fur | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| m-ethylphenol | n | | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 9 | 9 | 9 | 7 | 7 | 7 | |
| 1000 mg/kg | No abnormality | | | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 11 | 11 | 11 | 4 | 4 | 4 | 3 | 2 | 2 | |
| | Decrease in locomotor activity | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Staggering gait | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Soil of perigenital fur | | | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 5 | 5 | 5 | 4 | 5 | 5 | |
| | Salivation | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

Table 1 - 6

Study No. : SR13055

| Clinical sign Sex : Female | | Period : F0 Day 1-52 | | | | | | | | | | | | | | Species : Rat | |
|-------------------------------|--------------------------------|----------------------|------|---|----|---|---|----|---|---|----|---|---|----|---|---------------|----|
| | | Day 17 | | | 18 | | | 19 | | | 20 | | | 21 | | | |
| Test article | Dose | Clinical signs | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 22 |
| m-ethylphenol | n | | | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 mg/kg | No abnormality | | | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| m-ethylphenol | n | | | 6 | 6 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 100 mg/kg | No abnormality | | | 6 | 6 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| m-ethylphenol | n | | | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300 mg/kg | No abnormality | | | 9 | 9 | 8 | 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 |
| m-ethylphenol | n | | | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1000 mg/kg | No abnormality | | | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Decrease in locomotor activity | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Staggering gait | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Soil of perigenital fur | | | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Salivation | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Test article | | Day 22 | | | | | | | | | | | | | | 27 | |
| | | Clinical signs | Time | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | |
| m-ethylphenol | n | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 mg/kg | No abnormality | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| m-ethylphenol | n | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| 100 mg/kg | No abnormality | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| m-ethylphenol | n | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300 mg/kg | No abnormality | | | 0 | 0 | 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 | 0 | 0 |
| m-ethylphenol | n | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1000 mg/kg | No abnormality | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Decrease in locomotor activity | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Staggering gait | | | 0 | 0 | 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 | 0 | 0 |
| | Salivation | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Test article | | Day 27 | | | | | | | | | | | | | | 32 | |
| | | Clinical signs | Time | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | |
| m-ethylphenol | n | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 mg/kg | No abnormality | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| m-ethylphenol | n | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 100 mg/kg | No abnormality | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| m-ethylphenol | n | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300 mg/kg | No abnormality | | | 0 | 0 | 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 | 0 | 0 |
| m-ethylphenol | n | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1000 mg/kg | No abnormality | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| | Decrease in locomotor activity | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Staggering gait | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Soil of perigenital fur | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| | Salivation | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

Table 1 - 7

Study No. : SR13055

| Clinical sign Sex : Female | | Period : F0 Day 1-52 | | | | | | | | | | | | | | Species : Rat | |
|-------------------------------|--------------------------------|----------------------|---|---|----|---|---|----|---|---|----|---|---|----|---|---------------|----|
| | | Day 33 | | | 34 | | | 35 | | | 36 | | | 37 | | | 38 |
| Test article | Dose | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| m-ethylphenol | n | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 mg/kg | No abnormality | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| m-ethylphenol | n | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 100 mg/kg | No abnormality | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| m-ethylphenol | n | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300 mg/kg | No abnormality | | 0 | 0 | 0 | 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 | 0 | 0 | 0 |
| m-ethylphenol | n | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1000 mg/kg | No abnormality | | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | Decrease in locomotor activity | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Staggering gait | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Soil of perigenital fur | | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| | Salivation | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Test article | | Day 38 | | | 39 | | | 40 | | | 41 | | | 42 | | | 43 |
| | | Time | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 |
| m-ethylphenol | n | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 mg/kg | No abnormality | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| m-ethylphenol | n | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 100 mg/kg | No abnormality | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| m-ethylphenol | n | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300 mg/kg | No abnormality | | 0 | 0 | 0 | 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 | 0 | 0 | 0 |
| m-ethylphenol | n | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1000 mg/kg | No abnormality | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Decrease in locomotor activity | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Staggering gait | | 0 | 0 | 0 | 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 | 0 | 0 | 0 |
| | Salivation | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Test article | | Day 43 | | | 44 | | | 45 | | | 46 | | | 47 | | | 48 |
| | | Time | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| m-ethylphenol | n | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 mg/kg | No abnormality | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| m-ethylphenol | n | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 100 mg/kg | No abnormality | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| m-ethylphenol | n | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 300 mg/kg | No abnormality | | 0 | 0 | 0 | 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 | 0 | 0 | 0 |
| m-ethylphenol | n | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1000 mg/kg | No abnormality | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Decrease in locomotor activity | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Staggering gait | | 0 | 0 | 0 | 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 | 0 | 0 | 0 |
| | Salivation | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

Table 1 - 8

Study No. : SR13055

| Test article Dose | Clinical sign Sex : Female | Period : F0 Day 1-52 | | | | | | | | | | Species : Rat | |
|-----------------------------|---|----------------------|---|----|---|---|----|---|---|----|---|---------------|--|
| | | Day 49 | | 50 | | | 51 | | | 52 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | | |
| m-ethylphenol 0 mg/kg | n No abnormality | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| m-ethylphenol 100 mg/kg | n No abnormality | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| m-ethylphenol 300 mg/kg | n No abnormality Soil of perigenital fur | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| m-ethylphenol 1000 mg/kg | n No abnormality Decrease in locomotor activity Staggering gait Soil of perigenital fur Salivation | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

Table 1 - 9

Study No. : SR13055

| Clinical sign Sex : Female | | Period : F0 gestation Day 0-22 | | | | | | | | | | | | | | | Species : Rat | |
|-------------------------------|-------------------------|--------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|
| | | Day 0 | | | 1 | | | 2 | | | 3 | | | 4 | | | | |
| Test article | Dose | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | |
| m-ethylphenol | 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 |
| m-ethylphenol | n | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 100 mg/kg | No abnormality | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| m-ethylphenol | n | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 300 mg/kg | No abnormality | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| m-ethylphenol | n | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1000 mg/kg | No abnormality | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 11 | 11 | 10 | 11 | 11 | 11 | 11 |
| | Prone position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Tachypnea | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Soil of perigenital fur | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Test article | | Day 5 | | | 6 | | | 7 | | | 8 | | | 9 | | | 10 | |
| | | Time | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| m-ethylphenol | 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 |
| m-ethylphenol | n | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 100 mg/kg | No abnormality | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| m-ethylphenol | n | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 300 mg/kg | No abnormality | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| m-ethylphenol | n | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1000 mg/kg | No abnormality | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | Prone position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Tachypnea | | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 |
| Test article | | Day 10 | | | 11 | | | 12 | | | 13 | | | 14 | | | 15 | |
| | | Time | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| m-ethylphenol | 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 |
| m-ethylphenol | n | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 100 mg/kg | No abnormality | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| m-ethylphenol | n | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 300 mg/kg | No abnormality | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| m-ethylphenol | n | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1000 mg/kg | No abnormality | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | Prone position | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Tachypnea | | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

Table 1 - 10

Study No. : SR13055

| Test article Dose | Clinical sign Sex : Female | Period : F0 gestation Day 0-22 | | | | | | | | | | | | | | Species : Rat | | |
|-----------------------------|---|--------------------------------|----|----|------|----|----|----|----|----|----|----|----|----|----|---------------|----|--|
| | | Day 16 | | | 17 | | | 18 | | | 19 | | | 20 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | | |
| m-ethylphenol 0 mg/kg | n No abnormality | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| m-ethylphenol 100 mg/kg | n No abnormality | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| m-ethylphenol 300 mg/kg | n No abnormality | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | |
| m-ethylphenol 1000 mg/kg | n No abnormality Prone position Tachypnea Soil of perigenital fur | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | |
| | | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | |
| | | | 11 | 11 | 11 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Test article Dose | | Day 21 | | | 22 | | | | | | | | | | | | | |
| | | Clinical signs | | | Time | | | 21 | | | 22 | | | | | | | |
| | | | | | Time | | | 21 | | | 22 | | | | | | | |
| m-ethylphenol 0 mg/kg | n No abnormality | | | | 12 | 12 | 4 | 4 | 4 | | | | | | | | | |
| m-ethylphenol 100 mg/kg | n No abnormality | | | | 10 | 10 | 1 | 1 | 1 | | | | | | | | | |
| m-ethylphenol 300 mg/kg | n No abnormality | | | | 10 | 10 | 1 | 1 | 1 | | | | | | | | | |
| m-ethylphenol 1000 mg/kg | n No abnormality Prone position Tachypnea Soil of perigenital fur | | | | 11 | 11 | 5 | 5 | 5 | | | | | | | | | |
| | | | | | 11 | 11 | 4 | 4 | 4 | | | | | | | | | |
| | | | | | 10 | 11 | 4 | 3 | 4 | | | | | | | | | |
| | | | | | 1 | 0 | 0 | 1 | 0 | | | | | | | | | |
| | | | | | 1 | 0 | 0 | 0 | 0 | | | | | | | | | |
| | | | | | 0 | 0 | 0 | 0 | 0 | | | | | | | | | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

Table 1 - 11

Study No. : SR13055

| Test article Dose | Clinical sign Sex : Female | Period : F0 lactation Day 0-4 | | | | | | | | | | | | Species : Rat | |
|-----------------------------|---|-------------------------------|----|----|----|----|----|----|----|----|----|----|----|---------------|----|
| | | Day 0 | | | 1 | | | 2 | | | 3 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | |
| m-ethylphenol 0 mg/kg | n No abnormality | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| m-ethylphenol 100 mg/kg | n No abnormality | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 |
| m-ethylphenol 300 mg/kg | n No abnormality | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| m-ethylphenol 1000 mg/kg | n No abnormality Lateral position | | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

Table 2 - 1

Study No. : SR13055

| Test article | Dose | Body weight Sex : Male | | Period : Day 1-42 | | | | | | Unit : g | Species : Rat | |
|---------------|------|---------------------------|-------|-------------------|-------|-------|-------|-------|-------|----------|---------------|-------|
| | | /Day | | 1 | 3 | 7 | 14 | 21 | 28 | 35 | 42 | |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 0 mg/kg | Mean | 392.6 | 401.0 | 412.1 | 444.0 | 463.0 | 489.7 | 512.1 | 533.8 | 553.8 | 573.8 | 593.8 |
| | S.D. | 13.8 | 13.2 | 17.6 | 21.3 | 23.2 | 26.0 | 30.7 | 34.1 | 37.5 | 41.2 | 42.9 |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 100 mg/kg | Mean | 393.0 | 401.3 | 414.0 | 445.2 | 467.6 | 491.3 | 514.2 | 537.4 | 560.2 | 583.4 | 604.4 |
| | S.D. | 15.0 | 14.7 | 19.3 | 24.7 | 31.4 | 37.4 | 44.1 | 50.2 | 54.0 | 58.0 | 60.3 |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 300 mg/kg | Mean | 392.5 | 401.6 | 413.9 | 441.6 | 455.7 | 474.7 | 494.4 | 515.3 | 535.3 | 555.3 | 572.8 |
| | S.D. | 14.4 | 16.0 | 16.5 | 23.1 | 26.5 | 28.5 | 31.8 | 35.5 | 38.5 | 41.8 | 42.8 |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1000 mg/kg | Mean | 391.9 | 382.3 | 391.9 | 411.1 | 419.7 | 441.0 | 457.3 | 470.7 | 487.3 | 507.3 | 528.8 |
| | S.D. | 14.0 | 18.7 | 17.0 | 19.9 | 22.9 | 27.3 | 28.0 | 25.3 | 23.0 | 21.3 | 23.0 |
| | DT * | DT * | DT ** | DT ** | DT ** | DT ** | DT ** | DT ** | DT ** | DT ** | DT ** | DT ** |

Significantly different from m-ethylphenol 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 2 - 2

Study No. : SR13055

| Test article Dose | Sex : Female /Day | Period : F0 before mating Day 1-14 | | | | | Unit : g | Species : Rat |
|-----------------------------|----------------------|------------------------------------|---------------------|---------------------|---------------------|---------------------|------------------------|---------------|
| | | 1 | 3 | 7 | 14 | Body weight gain | | |
| m-ethylphenol 0 mg/kg | n Mean S.D. | 12 247.1 11.0 | 12 254.0 9.0 | 12 261.3 11.9 | 12 272.1 11.3 | 12 25.0 7.4 | | |
| m-ethylphenol 100 mg/kg | n Mean S.D. | 11 245.8 13.4 | 11 248.3 15.4 | 11 257.1 16.5 | 11 269.1 20.1 | 11 23.3 9.8 | | |
| m-ethylphenol 300 mg/kg | n Mean S.D. | 12 248.0 13.5 | 12 250.1 14.5 | 12 255.7 15.2 | 12 260.2 14.1 | 12 12.2 6.8 | DT ** | |
| m-ethylphenol 1000 mg/kg | n Mean S.D. | 11 247.0 11.9 | 11 242.5 11.9 | 11 244.7 12.0 | 11 250.3 14.0 | 11 3.3 6.5 | DT * DT ** DT ** | |

Significantly different from m-ethylphenol 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 2 - 3

Study No. : SR13055

| Test article | Sex : Female | Period : F0 gestation Day 0-20 | | | | Unit : g | Species : Rat |
|---------------|--------------|--------------------------------|-------|-------|-------|----------|---------------|
| | | /Day | 0 | 7 | 14 | 20 | |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | |
| 0 mg/kg | Mean | 281.3 | 324.3 | 363.8 | 451.1 | 169.8 | |
| | S.D. | 15.1 | 19.6 | 22.6 | 25.6 | 18.2 | |
| m-ethylphenol | n | 10 | 10 | 10 | 10 | 10 | |
| 100 mg/kg | Mean | 284.9 | 322.6 | 365.1 | 450.8 | 165.9 | |
| | S.D. | 23.8 | 22.9 | 32.5 | 37.2 | 27.1 | |
| m-ethylphenol | n | 11 | 11 | 11 | 11 | 11 | |
| 300 mg/kg | Mean | 272.1 | 309.5 | 348.1 | 422.7 | 150.6 | |
| | S.D. | 18.1 | 19.4 | 26.3 | 43.1 | 34.4 | |
| m-ethylphenol | n | 11 | 11 | 11 | 11 | 11 | |
| 1000 mg/kg | Mean | 256.8 | 289.3 | 325.5 | 396.2 | 139.4 | |
| | S.D. | 16.6 | 19.8 | 22.8 | 32.4 | 22.3 | |
| | DT ** | DT ** | DT ** | DT ** | DT * | | |

Significantly different from m-ethylphenol 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 2 - 4

Study No. : SR13055

| Test article | Sex : Female | Body weight | | | Period : F0 lactation Day 0-4 | Unit : g | Species : Rat |
|---------------|--------------|-------------|------------------|------|-------------------------------|----------|---------------|
| | | /Day | 0 | 4 | | | |
| Dose | | | Body weight gain | | | | |
| m-ethylphenol | n | | 12 | 12 | 12 | | |
| 0 mg/kg | Mean | 337.6 | 355.6 | 18.0 | | | |
| | S.D. | 26.2 | 18.4 | 15.7 | | | |
| m-ethylphenol | n | 10 | 9 | 9 | | | |
| 100 mg/kg | Mean | 343.0 | 364.7 | 16.3 | | | |
| | S.D. | 33.0 | 17.3 | 17.1 | | | |
| m-ethylphenol | n | 11 | 11 | 11 | | | |
| 300 mg/kg | Mean | 324.5 | 344.2 | 19.7 | | | |
| | S.D. | 25.8 | 29.4 | 12.4 | | | |
| m-ethylphenol | n | 11 | 10 | 10 | | | |
| 1000 mg/kg | Mean | 301.1 | 326.1 | 21.3 | | | |
| | S.D. | 21.5 | 20.6 | 9.9 | | | |
| | DT ** | DT ** | | | | | |

Significantly different from m-ethylphenol 0 mg/kg: ** P<0.01

DT : Dunnett test (two-side)

Table 3 - 1

Study No. : SR13055

| Test article | Sex : Male | Food consumption /Day | | | | | Period : Day 1-42 | Unit : g | Species : Rat |
|---------------|------------|-----------------------|-------|-------|-------|-------|-------------------|----------|---------------|
| | | 3 | 7 | 14 | 35 | 42 | | | |
| Dose | /Day | | | | | | | | |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | | | |
| 0 mg/kg | Mean | 25.68 | 23.63 | 23.87 | 23.69 | 23.27 | | | |
| | S.D. | 1.26 | 1.70 | 1.76 | 2.02 | 2.07 | | | |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | | | |
| 100 mg/kg | Mean | 25.26 | 24.31 | 24.21 | 24.72 | 24.47 | | | |
| | S.D. | 1.27 | 2.11 | 2.11 | 2.62 | 2.92 | | | |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | | | |
| 300 mg/kg | Mean | 24.67 | 24.14 | 24.23 | 23.62 | 23.33 | | | |
| | S.D. | 1.61 | 1.14 | 1.57 | 1.74 | 1.92 | | | |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | | | |
| 1000 mg/kg | Mean | 17.96 | 21.72 | 23.85 | 24.71 | 24.53 | | | |
| | S.D. | 2.62 | 2.34 | 1.37 | 1.23 | 1.55 | | | |
| | ST ** | | DT * | | | | | | |

Significantly different from m-ethylphenol 0 mg/kg: * P<0.05, ** P<0.01

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

Table 3 - 2

Study No. : SR13055

| Test article | Sex : Female | Food consumption /Day | | | Period : F0 before mating Day 1-14 | Unit : g | Species : Rat |
|---------------|--------------|-----------------------|-------|-------|------------------------------------|----------|---------------|
| | | 3 | 7 | 14 | | | |
| m-ethylphenol | n | 12 | 12 | 12 | | | |
| 0 mg/kg | Mean | 17.74 | 17.64 | 17.96 | | | |
| | S.D. | 1.79 | 1.70 | 1.68 | | | |
| m-ethylphenol | n | 11 | 11 | 11 | | | |
| 100 mg/kg | Mean | 16.60 | 17.82 | 18.20 | | | |
| | S.D. | 2.61 | 1.88 | 2.14 | | | |
| m-ethylphenol | n | 12 | 12 | 12 | | | |
| 300 mg/kg | Mean | 15.65 | 16.88 | 17.54 | | | |
| | S.D. | 2.09 | 1.60 | 1.34 | | | |
| m-ethylphenol | n | 11 | 11 | 11 | | | |
| 1000 mg/kg | Mean | 13.40 | 15.46 | 16.53 | | | |
| | S.D. | 2.43 | 1.68 | 1.48 | | | |
| | DT ** | | DT * | | | | |

Significantly different from m-ethylphenol 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 3 - 3

Study No. : SR13055

| Test article | Sex : Female | Food consumption /Day | | | Period : F0 gestation Day 0-20 | Unit : g | Species : Rat |
|---------------|--------------|-----------------------|-------|-------|--------------------------------|----------|---------------|
| | | 7 | 14 | 20 | | | |
| m-ethylphenol | n | 12 | 12 | 12 | | | |
| 0 mg/kg | Mean | 22.66 | 24.48 | 24.08 | | | |
| | S.D. | 1.92 | 2.21 | 2.34 | | | |
| m-ethylphenol | n | 10 | 10 | 10 | | | |
| 100 mg/kg | Mean | 22.47 | 24.70 | 23.87 | | | |
| | S.D. | 2.49 | 3.95 | 2.30 | | | |
| m-ethylphenol | n | 11 | 11 | 11 | | | |
| 300 mg/kg | Mean | 22.18 | 23.96 | 22.96 | | | |
| | S.D. | 1.62 | 2.19 | 1.84 | | | |
| m-ethylphenol | n | 11 | 11 | 11 | | | |
| 1000 mg/kg | Mean | 20.26 | 23.25 | 23.46 | | | |
| | S.D. | 2.33 | 2.29 | 2.70 | | | |
| | DT * | | | | | | |

Significantly different from m-ethylphenol 0 mg/kg: * P<0.05

DT : Dunnett test (two-side)

Table 3 - 4

Study No. : SR13055

| Test article | Food consumption | | Period : F0 lactation Day 0-4 | Unit : g | Species : Rat |
|---------------|------------------|-------|-------------------------------|----------|---------------|
| | Sex : Female | /Day | | | |
| Dose | | 4 | | | |
| m-ethylphenol | n | 12 | | | |
| 0 mg/kg | Mean | 30.53 | | | |
| | S.D. | 7.20 | | | |
| m-ethylphenol | n | 9 | | | |
| 100 mg/kg | Mean | 32.03 | | | |
| | S.D. | 3.29 | | | |
| m-ethylphenol | n | 11 | | | |
| 300 mg/kg | Mean | 30.23 | | | |
| | S.D. | 6.87 | | | |
| m-ethylphenol | n | 10 | | | |
| 1000 mg/kg | Mean | 32.14 | | | |
| | S.D. | 6.28 | | | |

Not significantly different from m-ethylphenol 0 mg/kg

Table 4 - 1

Study No. : SR13055

| Necropsy findings Sex : Male | | Stage : Day 43 | | | | Species : Rat |
|---------------------------------------|-------------------|----------------------|------------------------|------------------------|------------------------|------------------------|
| Organ Findings | Number of Animals | Test article Dose | m-ethylphenol mg/kg | m-ethylphenol mg/kg | m-ethylphenol mg/kg | m-ethylphenol mg/kg |
| | | | 0 | 100 | 300 | 1000 |
| Upper incisor Crushing | P | | <12/12> | <12/12> | <12/12> | <11/12> |
| Forestomach Thickening, mucosa | P | | <12/12> | <12/12> | <12/12> | <10/12> |
| Stomach, limiting ridge Thickening | P | | <12/12> | <12/12> | <12/12> | <10/12> |
| Other organs & tissues | | | <12/12> | <12/12> | <12/12> | <12/12> |

<> : Not remarkable/Number of animals examined

P : Non-graded change

Table 4 - 2

Study No. : SR13055

| Necropsy findings Sex : Female | | Stage : Lactation day 4 | | | | Species : Rat |
|-----------------------------------|-------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------|
| Organ Findings | Test article Dose | m-ethylphenol 0 mg/kg | m-ethylphenol 100 mg/kg | m-ethylphenol 300 mg/kg | m-ethylphenol 1000 mg/kg | |
| | Number of Animals | 12 | 9 | 11 | 10 | |
| Forestomach | | <12/12> | <9/9> | <11/11> | <8/10> | |
| Thickening, mucosa, focal | P | 0 | 0 | 0 | 2 | |
| Uterine horn | | <12/12> | <9/9> | <11/11> | <10/10> | |
| Vagina | | <12/12> | <9/9> | <11/11> | <10/10> | |
| Spleen | | <12/12> | <8/9> | <11/11> | <10/10> | |
| Deformity | P | 0 | 1 | 0 | 0 | |
| Adhesion, to fat tissue | P | 0 | 1 | 0 | 0 | |
| Other organs & tissues | | <12/12> | <9/9> | <11/11> | <10/10> | |
| Stage : Unsuccessful mating | | | | | | |
| Organ Findings | Test article Dose | m-ethylphenol 0 mg/kg | m-ethylphenol 100 mg/kg | m-ethylphenol 300 mg/kg | m-ethylphenol 1000 mg/kg | |
| | Number of Animals | 0 | 1 | 0 | 1 | |
| Forestomach | | | <1/1> | | <0/1> | |
| Thickening, mucosa, focal | P | | 0 | | 1 | |
| Uterine horn | | | <1/1> | | <1/1> | |
| Vagina | | | <1/1> | | <1/1> | |
| Spleen | | | <1/1> | | <1/1> | |
| Other organs & tissues | | | <1/1> | | <1/1> | |
| Stage : Non-pregnancy | | | | | | |
| Organ Findings | Test article Dose | m-ethylphenol 0 mg/kg | m-ethylphenol 100 mg/kg | m-ethylphenol 300 mg/kg | m-ethylphenol 1000 mg/kg | |
| | Number of Animals | 0 | 1 | 1 | 0 | |
| Forestomach | | | <1/1> | | <1/1> | |
| Uterine horn | | | <0/1> | | <1/1> | |
| Retention, white mucus | P | | 1 | | 0 | |
| Vagina | | | <0/1> | | <0/1> | |
| Atresia | P | | 1 | | 1 | |
| Spleen | | | <1/1> | | <1/1> | |
| Other organs & tissues | | | <1/1> | | <1/1> | |

<> : Not remarkable/Number of animals examined

P : Non-graded change

Table 4 - 3

Study No. : SR13055

| Necropsy findings Sex : Female | | Stage : Total litter loss | | | Species : Rat |
|-----------------------------------|----------------------|---------------------------|------------------------|------------------------|------------------------|
| Organ Findings | Test article Dose | m-ethylphenol mg/kg | m-ethylphenol mg/kg | m-ethylphenol mg/kg | m-ethylphenol mg/kg |
| | Number of Animals | 0 | 100 | 300 | 1000 |
| Forestomach | | | <1/1> | | <0/1> |
| Thickening, mucosa, focal | P | 0 | 0 | | 1 |
| Uterine horn | | | <1/1> | | <1/1> |
| Vagina | | | <1/1> | | <1/1> |
| Spleen | | | <1/1> | | <1/1> |
| Other organs & tissues | | | <1/1> | | <1/1> |

<> : Not remarkable/Number of animals examined

P : Non-graded change

Table 5 - 1

Study No. : SR13055

| Test article Dose | Sex : Male | Stage : Day 43 | | | | | | | | | | Species : Rat | |
|----------------------|------------|----------------|--------------|---------|--------------|----------|---------------|---------|--------------|----------|--------------|---------------|--|
| | | Body weight | | Testis | | | Epididymis | | | Prostate | | | |
| | | AB g | RE g/100g | AB g | RE g/100g | AB mg | RE mg/100g | AB g | RE g/100g | AB g | RE g/100g | | |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| 0 mg/kg | Mean | 538.3 | 3.245 | 0.606 | 1.313 | 0.245 | 712.3 | 132.798 | 2.140 | 0.399 | | | |
| | S.D. | 35.0 | 0.313 | 0.083 | 0.108 | 0.026 | 155.0 | 29.372 | 0.259 | 0.053 | | | |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| 100 mg/kg | Mean | 541.3 | 3.141 | 0.586 | 1.390 | 0.260 | 637.3 | 118.097 | 2.103 | 0.391 | | | |
| | S.D. | 48.6 | 0.307 | 0.089 | 0.142 | 0.040 | 152.8 | 26.769 | 0.289 | 0.061 | | | |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| 300 mg/kg | Mean | 519.3 | 3.428 | 0.663 | 1.393 | 0.268 | 698.8 | 134.468 | 2.158 | 0.418 | | | |
| | S.D. | 36.2 | 0.200 | 0.056 | 0.109 | 0.018 | 160.1 | 28.552 | 0.295 | 0.058 | | | |
| m-ethylphenol | n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| 1000 mg/kg | Mean | 476.1 | 3.344 | 0.704 | 1.358 | 0.287 | 709.8 | 148.829 | 2.233 | 0.472 | | | |
| | S.D. | 27.2 | 0.326 | 0.081 | 0.108 | 0.026 | 122.1 | 22.855 | 0.260 | 0.072 | | | |
| | DT ** | | DT * | | DT ** | | DT ** | | DT * | | DT * | | |

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

Significantly different from m-ethylphenol 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 5 - 2

Study No. : SR13055

| Organ weight Sex : Female | | Stage : Lactation day 4 | | | Species : Rat |
|------------------------------|--|-------------------------|-------------------------------|--|---------------|
| Test article Dose | Body weight g | Ovary | | | |
| | | AB mg | RE mg/100g | | |
| m-ethylphenol 0 mg/kg | n 12 Mean 355.6 S.D. 18.4 | 12 111.1 17.1 | 12 31.160 3.762 | | |
| m-ethylphenol 100 mg/kg | n 9 Mean 364.7 S.D. 17.3 | 9 114.2 18.0 | 9 31.290 4.449 | | |
| m-ethylphenol 300 mg/kg | n 11 Mean 344.2 S.D. 29.4 | 11 112.9 11.9 | 11 33.055 4.477 | | |
| m-ethylphenol 1000 mg/kg | n 10 Mean 326.1 S.D. 20.6 DT ** | 10 116.5 9.0 | 10 35.857 3.672 DT * | | |

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

Significantly different from m-ethylphenol 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 6 - 1

Study No. : SR13055

| | | Histopathological findings | | | | | | | | | | | | |
|------------------------------|-------------------|----------------------------|--------------|-------|--------------|-------|----------------|-------|--------------|-------|----|---------------|----|--|
| | | Sex : Male | | | | | Stage : Day 43 | | | | | Species : Rat | | |
| Organ Findings | Number of Animals | Test article Dose | m-ethylpheol | | m-ethylpheol | | m-ethylpheol | | m-ethylpheol | | 12 | 12 | 12 | |
| | | | 0 | mg/kg | 100 | mg/kg | 300 | mg/kg | 1000 | mg/kg | | | | |
| Upper incisor | | | 12 | | 12 | | 12 | | 12 | | | | | |
| Inflammation, gingiva | | | <0> | | <0> | | <0> | | <1> | | | | | |
| Forestomach | | | <12> | | <12> | | <12> | | <12> | | | | | |
| Hyperkeratosis | | | 12 | 0 | 0 | 0 | 0 | 0 | 8 | 4 | | | | |
| | | | | | EF | | EF | | | | | | | |
| Stomach, limiting ridge | | | <12> | | <12> | | <12> | | <12> | | | | | |
| Hyperkeratosis | | | 12 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | | | | |
| | | | | | EF | | EF | | | | | | | |
| Hyperplasia, squamous cell | | | 12 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | | | | |
| | | | | | EF | | EF | | | | | | | |
| Testis | | | <12> | | <2> | | <1> | | <12> | | | | | |
| Atrophy, seminiferous tubule | | | 9 | 2 | 1 | 0 | 0 | 0 | 9 | 3 | | | | |
| | | | | | ED | | ED | | | | | | | |
| Epididymis | | | <12> | | <2> | | <1> | | <12> | | | | | |
| Cell debris, lumen | | | 9 | 3 | 0 | 0 | 0 | 0 | 11 | 1 | | | | |
| | | | | | ED | | ED | | | | | | | |
| Granuloma, spermatic | | | 12 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | | | | |
| | | | | | ED | | ED | | | | | | | |
| Prostate | | | <12> | | <2> | | <1> | | <12> | | | | | |
| Inflammation | | | 7 | 5 | 0 | 0 | 0 | 0 | 10 | 2 | | | | |
| | | | | | ED | | ED | | | | | | | |
| Seminal vesicle | | | <12> | | <2> | | <1> | | <12> | | | | | |
| | | | 12 | | 2 | EF | ED | ED | | | | | | |
| Coagulating gland | | | <12> | | <2> | | <1> | | <12> | | | | | |
| | | | 12 | | 2 | EF | ED | ED | | | | | | |

<> : Number of animals examined

- : Not remarkable

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

Significantly different from m-ethylphenol 0 mg/kg: \$ P<0.05

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

ED : The number of samples of a treated group is less than 2.

EF : The averages of all groups are same and all data is 0 in frequency. (all data of all groups is identical.)

Table 6 - 2

Study No. : SR13055

| Sex : Female | | Histopathological findings | | | | | | | | | | | | Species : Rat | |
|----------------------------|-------------------|----------------------------|--------------|--------------|-----|-------------------------|-------|--------------|-----|------|------|--------------|----|---------------|------|
| | | Test article | | | | Stage : Lactation day 4 | | | | | | | | | |
| Organ Findings | Number of Animals | Dose | m-ethylpheol | m-ethylpheol | | | | m-ethylpheol | | | | m-ethylpheol | | | |
| | | mg/kg | 0 | 100 | 300 | 1000 | mg/kg | 0 | 100 | 300 | 1000 | mg/kg | 0 | 100 | 1000 |
| Forestomach | Grade | - | 1+ | 2+ | 3+ | 4+ | - | 1+ | 2+ | 3+ | 4+ | - | 1+ | 2+ | 3+ |
| Hyperkeratosis | | | <12> | | <9> | | | <11> | | <10> | | | | | |
| | | 12 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 |
| | | | | | | | EF | | | | | EF | | | |
| Hyperplasia, squamous cell | | | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 |
| | | | | | | | EF | | | | | EF | | | |
| Stomach, limiting ridge | | | <12> | | <9> | | | <11> | | <10> | | | | | |
| Hyperkeratosis | | | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 |
| | | | | | | | EF | | | | | EF | | | |
| Ovary | | | <12> | | <0> | | | <0> | | <10> | | | | | |
| | | 12 | | | 0 | | ED | | 0 | | ED | | 10 | | |
| Uterine horn | | | <12> | | <0> | | | <0> | | <10> | | | | | |
| | | 12 | | | 0 | | ED | | 0 | | ED | | 10 | | |
| Uterine cervix | | | <12> | | <0> | | | <0> | | <10> | | | | | |
| | | 12 | | | 0 | | ED | | 0 | | ED | | 10 | | |
| Vagina | | | <12> | | <0> | | | <0> | | <10> | | | | | |
| | | 12 | | | 0 | | ED | | 0 | | ED | | 10 | | |
| Spleen | | | <0> | | <1> | | | <0> | | <0> | | | | | |
| Capsulitis | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | ED | | | | ED | | ED | | |

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from m-ethylphenol 0 mg/kg

ED : The number of samples of a treated group is less than 2.

EF : The averages of all groups are same and all data is 0 in frequency. (all data of all groups is identical.)

Table 6 - 3

Study No. : SR13055

| Histopathological findings | | Stage : Unsuccessful mating | | | | | | | | | | Species : Rat | | | |
|----------------------------|----------|-----------------------------|--------------|--------------|----|----|----|--------------|---|----|----|---------------|----|---|--|
| Sex : Female | | Test article | m-ethylpheol | m-ethylpheol | | | | m-ethylpheol | | | | m-ethylpheol | | | |
| Organ | Findings | Dose | 0 | 100 | | | | 300 | | | | 1000 | | | |
| | | mg/kg | 0 | mg/kg | | | | mg/kg | | | | mg/kg | | | |
| Number of Animals | Grade | | | - | 1+ | 2+ | 3+ | 4+ | - | 1+ | 2+ | 3+ | 4+ | | |
| Forestomach | | | | <1> | | | | <1> | | | | <1> | | | |
| Hyperkeratosis | | | | 1 | 0 | 0 | 0 | 0 | | 0 | 1 | 0 | 0 | 0 | |
| Stomach, limiting ridge | | | | <1> | | | | <1> | | | | <1> | | | |
| Hyperplasia, squamous cell | | | | 1 | 0 | 0 | 0 | 0 | | 0 | 1 | 0 | 0 | 0 | |
| Ovary | | | | <1> | | | | <1> | | | | <1> | | | |
| | | | | 1 | | | | | 1 | | | | 1 | | |
| Uterine horn | | | | <1> | | | | <1> | | | | <1> | | | |
| | | | | 1 | | | | | 1 | | | | 1 | | |
| Uterine cervix | | | | <1> | | | | <1> | | | | <1> | | | |
| | | | | 1 | | | | | 1 | | | | 1 | | |
| Vagina | | | | <1> | | | | <1> | | | | <1> | | | |
| | | | | 1 | | | | | 1 | | | | 1 | | |
| Stage : Non-pregnancy | | | | | | | | | | | | | | | |
| Organ | Findings | Test article | m-ethylpheol | m-ethylpheol | | | | m-ethylpheol | | | | m-ethylpheol | | | |
| | | Dose | 0 | 100 | | | | 300 | | | | 1000 | | | |
| Number of Animals | Grade | | 0 | mg/kg | | | | mg/kg | | | | mg/kg | | | |
| | | | | - | 1+ | 2+ | 3+ | 4+ | - | 1+ | 2+ | 3+ | 4+ | | |
| Forestomach | | | | <1> | | | | <1> | | | | <1> | | | |
| | | | | 1 | | | | | 1 | | | | 1 | | |
| Stomach, limiting ridge | | | | <1> | | | | <1> | | | | <1> | | | |
| | | | | 1 | | | | | 1 | | | | 1 | | |
| Ovary | | | | <1> | | | | <1> | | | | <1> | | | |
| | | | | 1 | | | | | 1 | | | | 1 | | |
| Uterine horn | | | | <1> | | | | <1> | | | | <1> | | | |
| Dilatation, lumen | | | | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | |
| Uterine cervix | | | | <1> | | | | <1> | | | | <1> | | | |
| | | | | 1 | | | | | 1 | | | | 1 | | |
| Vagina | | | | <1> | | | | <1> | | | | <1> | | | |
| Septum | | | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | | |

<> : Number of animals examined

- : Not remarkable

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

Table 6 - 4

Study No. : SR13055

| Histopathological findings | | Stage : Total litter loss | | | | | | | | | | Species : Rat | | |
|----------------------------|----------|---------------------------|--------------|--------------|----|--------------|----|--------------|--|--------------|----|---------------|----|----|
| Sex : Female | | Test article | m-ethylpheol | m-ethylpheol | | m-ethylpheol | | m-ethylpheol | | m-ethylpheol | | Species : Rat | | |
| Organ | Findings | Dose | 0 | 100 | | 300 | | 1000 | | mg/kg | | | | |
| | | Number of Animals | 0 | mg/kg | | 0 | | 1 | | mg/kg | | | | |
| | | Grade | | - | 1+ | 2+ | 3+ | 4+ | | - | 1+ | 2+ | 3+ | 4+ |
| Forestomach | | | | <1> | | <1> | | <1> | | <1> | | <1> | | |
| Hyperkeratosis | | | | 1 | 0 | 0 | 0 | 0 | | 0 | 0 | 1 | 0 | 0 |
| Hyperplasia, squamous cell | | | | 1 | 0 | 0 | 0 | 0 | | 0 | 1 | 0 | 0 | 0 |
| Stomach, limiting ridge | | | | <1> | | <1> | | <1> | | <1> | | <1> | | |
| Ovary | | | | <0> | | <0> | | <1> | | <1> | | <1> | | |
| Uterine horn | | | | <0> | | <0> | | <1> | | <1> | | <1> | | |
| Uterine cervix | | | | <0> | | <0> | | <1> | | <1> | | <1> | | |
| Vagina | | | | <0> | | <0> | | <1> | | <1> | | <1> | | |

<> : Number of animals examined

- : Not remarkable

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

Table 7

Study No. : SR13055

| Estrus 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 | |
| m-ethylphenol 0 mg/kg | n Mean S.D. | 12 4.07 0.16 | 12 3.6 0.5 | 12 (0) |
| m-ethylphenol 100 mg/kg | n Mean S.D. | 12 4.04 0.14 | 12 3.6 0.5 | 12 (0) |
| m-ethylphenol 300 mg/kg | n Mean S.D. | 12 4.00 0.00 | 12 3.8 0.4 | EF |
| m-ethylphenol 1000 mg/kg | n Mean S.D. | 12 4.21 0.33 | 12 3.3 0.5 | EF |

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

Not significantly different from m-ethylphenol 0 mg/kg

EF : The averages of all groups are same and all data is 0 in frequency. (all data of all groups is identical.)

Table 8 - 1

Study No. : SR13055

| Test article Dose | Reproductive performance | | | Species : Rat | | | | |
|-----------------------------|--------------------------|-------------------|------------|----------------------|---------------------|----------------------|---------------------|--------------------------------------|
| | Generation : F0 | | Sex : Male | 1st mating | | 2nd mating | | Total |
| | Number of pairs | Day of conceiving | | Copulation index (%) | Fertility index (%) | Copulation index (%) | Fertility index (%) | Copulation index (%) |
| m-ethylphenol 0 mg/kg | n Mean S.D. | 12 3.0 1.0 | 12 | (12/12) 100.0 | (12/12) 100.0 | | | (12/12) 100.0 (12/12) 100.0 |
| m-ethylphenol 100 mg/kg | n Mean S.D. | 12 3.5 3.4 | 11 | (11/12) 91.7 | (10/11) 90.9 | | | (11/12) 91.7 (10/11) 90.9 |
| m-ethylphenol 300 mg/kg | n Mean S.D. | 12 3.3 1.2 | 12 | (12/12) 100.0 | (11/12) 91.7 | | | (12/12) 100.0 (11/12) 91.7 |
| m-ethylphenol 1000 mg/kg | n Mean S.D. | 12 2.6 1.3 | 11 | (11/12) 91.7 | (11/11) 100.0 | | | (11/12) 91.7 (11/11) 100.0 |

Not significantly different from m-ethylphenol 0 mg/kg

Table 8 - 2

Study No. : SR13055

| Test article Dose | Reproductive performance | | | Species : Rat | | | | |
|-----------------------------|--------------------------|-------------------|--------------|----------------------|---------------------|----------------------|---------------------|--------------------------------------|
| | Generation : F0 | | Sex : Female | 1st mating | | 2nd mating | | Total |
| | Number of pairs | Day of conceiving | | Copulation index (%) | Fertility index (%) | Copulation index (%) | Fertility index (%) | Copulation index (%) |
| m-ethylphenol 0 mg/kg | n Mean S.D. | 12 3.0 1.0 | 12 | (12/12) 100.0 | (12/12) 100.0 | | | (12/12) 100.0 (12/12) 100.0 |
| m-ethylphenol 100 mg/kg | n Mean S.D. | 12 3.5 3.4 | 11 | (11/12) 91.7 | (10/11) 90.9 | | | (11/12) 91.7 (10/11) 90.9 |
| m-ethylphenol 300 mg/kg | n Mean S.D. | 12 3.3 1.2 | 12 | (12/12) 100.0 | (11/12) 91.7 | | | (12/12) 100.0 (11/12) 91.7 |
| m-ethylphenol 1000 mg/kg | n Mean S.D. | 12 2.6 1.3 | 11 | (11/12) 91.7 | (11/11) 100.0 | | | (11/12) 91.7 (11/11) 100.0 |

Not significantly different from m-ethylphenol 0 mg/kg

Table 9 - 1

Study No. : SR13055

| Test article Dose | Delivery data Generation : F0 | | | | | Species : Rat | | | | | |
|-----------------------------|----------------------------------|---------------------------|-----------------------|------------------------|----------------------------|---------------|-------|--------------------------------|----------------------------|-------------|---------------------------|
| | Gestation period (day) | Number of implantation | Birth index (%) | Number of offspring | Number of live newborns | | | Sex rate (offspring) (%) | Number of dead newborns | | Gestation index (%) |
| | | | | | M | F | Total | | Dead | Cannibalism | |
| m-ethylphenol 0 mg/kg | n | 12 | 12 | 12 | 12 | 12 | 12 | 86/182 | 12 | 12 | 12/12 |
| | Mean | 22.33 | 16.2 | 93.98 | 15.4 | 7.2 | 8.0 | 47.3 | 0.3 | 0.0 | 0.3 |
| | S.D. | 0.49 | 1.2 | 5.52 | 1.2 | 1.4 | 1.3 | | 0.5 | 0.0 | 0.5 |
| m-ethylphenol 100 mg/kg | n | 10 | 10 | 10 | 10 | 10 | 10 | 78/149 | 10 | 10 | 10/10 |
| | Mean | 22.10 | 15.8 | 94.34 | 14.9 | 7.8 | 7.1 | 52.3 | 0.0 | 0.0 | 100.0 |
| | S.D. | 0.32 | 1.7 | 6.82 | 1.9 | 2.7 | 1.6 | | 0.0 | 0.0 | 0.00 |
| m-ethylphenol 300 mg/kg | n | 11 | 11 | 11 | 11 | 11 | 11 | 72/144 | 11 | 11 | 11/11 |
| | Mean | 22.45 | 14.7 | 85.81 | 13.3 | 6.5 | 6.5 | 50.0 | 0.2 | 0.0 | 0.2 |
| | S.D. | 0.52 | 4.8 | 16.49 | 5.4 | 3.0 | 3.6 | | 0.4 | 0.0 | 0.4 |
| m-ethylphenol 1000 mg/kg | n | 11 | 11 | 11 | 11 | 11 | 11 | 76/143 | 11 | 11 | 11/11 |
| | Mean | 22.36 | 14.7 | 88.12 | 13.6 | 6.9 | 6.1 | 53.1 | 0.6 | 0.0 | 0.6 |
| | S.D. | 0.50 | 2.4 | 22.66 | 2.5 | 3.1 | 2.0 | | 2.1 | 0.0 | 2.1 |
| ST * | | | | | | | | | | | |

M : Male, F : Female

Significantly different from m-ethylphenol 0 mg/kg: * P<0.05

ST : Steel test (two-side)

EF : The averages of all groups are same and all data is 0 in frequency. (all data of all groups is identical.)

Table 9 - 2

Study No. : SR13055

| Delivery data Generation : F0 | | | | | Species : Rat |
|----------------------------------|------|-------------------------------|--------------------------------|------------------------------|---------------|
| Test article | | Number of corpora lutea | Number of implan- tation | Implantation index (%) | |
| m-ethylphenol | n | 12 | 12 | 12 | |
| 0 mg/kg | Mean | 16.6 | 16.2 | 97.60 | |
| | S.D. | 1.3 | 1.2 | 3.80 | |
| m-ethylphenol | n | 10 | 10 | 10 | |
| 100 mg/kg | Mean | 16.4 | 15.8 | 96.41 | |
| | S.D. | 1.5 | 1.7 | 6.46 | |
| m-ethylphenol | n | 11 | 11 | 11 | |
| 300 mg/kg | Mean | 15.8 | 14.7 | 91.94 | |
| | S.D. | 3.0 | 4.8 | 22.95 | |
| m-ethylphenol | n | 11 | 11 | 11 | |
| 1000 mg/kg | Mean | 15.2 | 14.7 | 96.64 | |
| | S.D. | 1.6 | 2.4 | 9.29 | |

Not significantly different from m-ethylphenol 0 mg/kg

Table 9 - 3

Study No. : SR13055

Delivery data
 External examination of offspring
 Generation : F0

Days after birth : 0
 Species : Rat

| Test article | m-ethylphenol 0 | m-ethylphenol 100 | m-ethylphenol 300 | m-ethylphenol 1000 |
|---|--------------------|----------------------|----------------------|-----------------------|
| Dose | mg/kg | mg/kg | mg/kg | mg/kg |
| Dose unit | | | | |
| Number of dams | 12 | 10 | 11 | 11 |
| Number of offspring | 182 | 149 | 144 | 143 |
| Number of dams with anomalous offspring (incidence %) | 0(0.00) | 0(0.00) EF | 0(0.00) EF | 0(0.00) EF |
| Number of offspring with any anomaly (incidence %) | 0(0.00) | 0(0.00) EF | 0(0.00) EF | 0(0.00) EF |

Not significantly different from m-ethylphenol 0 mg/kg

EF : The averages of all groups are same and all data is 0 in frequency. (all data of all groups is identical.)

Table 10

Study No. : SR13055

| Test article Dose | Clinical signs | Day after birth | | | | | Species : Rat |
|-----------------------------|---|-----------------|-----|-----|-----|-----|---------------|
| | | Time | 0 | 1 | 2 | 3 | |
| m-ethylphenol 0 mg/kg | Number of dams examined | | 12 | 12 | 12 | 12 | 12 |
| | Number of offspring | | 182 | 182 | 180 | 180 | 174 |
| | Number of dams with anomalous offspring | | 0 | 0 | 0 | 0 | 0 |
| m-ethylphenol 100 mg/kg | Number of dams examined | | 10 | 10 | 10 | 10 | 9 |
| | Number of offspring | | 149 | 149 | 149 | 135 | 134 |
| | Number of dams with anomalous offspring | | 0 | 0 | 0 | 0 | 1 |
| | Milk-band negative | | 0 | 0 | 0 | 0 | 1 |
| m-ethylphenol 300 mg/kg | Number of dams examined | | 11 | 11 | 11 | 11 | 11 |
| | Number of offspring | | 144 | 144 | 144 | 144 | 142 |
| | Number of dams with anomalous offspring | | 0 | 0 | 0 | 0 | 1 |
| | Milk-band negative | | 0 | 0 | 0 | 0 | 1 |
| m-ethylphenol 1000 mg/kg | Number of dams examined | | 11 | 11 | 10 | 10 | 10 |
| | Number of offspring | | 143 | 140 | 140 | 140 | 138 |
| | Number of dams with anomalous offspring | | 1 | 0 | 0 | 0 | 0 |
| | Milk-band negative | | 3 | 0 | 0 | 0 | 0 |

Table 11

Study No. : SR13055

Litter size and viability index of offspring

Generation : F0

Species : Rat

| Test article Dose | /Days after birth | 0 | | 4 | | Species : Rat |
|-----------------------------|-------------------|-----|------------------------|-----|------------------------|---------------|
| | | 0 | Viability index (%) | 4 | Viability index (%) | |
| m-ethylphenol 0 mg/kg | Total | 182 | | 174 | | |
| | n | 12 | 12 | 12 | 12 | |
| | Mean | | 98.45 | | 95.55 | |
| | S.D. | | 2.80 | | 11.49 | |
| m-ethylphenol 100 mg/kg | Total | 149 | | 134 | | |
| | n | 10 | 10 | 9 | 10 | |
| | Mean | | 100.00 | | 89.33 | |
| | S.D. | | 0.00 | | 31.46 | |
| m-ethylphenol 300 mg/kg | Total | 144 | | 142 | | |
| | n | 11 | 11 | 11 | 11 | |
| | Mean | | 98.75 | | 99.05 | |
| | S.D. | | 2.79 | | 3.17 | |
| m-ethylphenol 1000 mg/kg | Total | 143 | | 138 | | |
| | n | 11 | 11 | 10 | 11 | |
| | Mean | | 93.64 | | 89.67 | |
| | S.D. | | 21.11 | | 29.87 | |

Not significantly different from m-ethylphenol 0 mg/kg

Table 12

Study No. : SR13055

| Test article | Body weight of offspring Generation : F0 | | | Unit : g | Species : Rat |
|-----------------------------|---|------|-------------------|----------|---------------|
| | Dose | | /Days after birth | | |
| | | 0 | 4 | | |
| m-ethylphenol 0 mg/kg | Male | n | 12 | 12 | |
| | | Mean | 6.719 | 10.260 | |
| | | S.D. | 0.421 | 1.144 | |
| | Female | n | 12 | 12 | |
| | | Mean | 6.313 | 9.944 | |
| | | S.D. | 0.412 | 1.182 | |
| m-ethylphenol 100 mg/kg | Male | n | 10 | 9 | |
| | | Mean | 6.755 | 10.771 | |
| | | S.D. | 0.605 | 1.223 | |
| | Female | n | 10 | 9 | |
| | | Mean | 6.351 | 10.229 | |
| | | S.D. | 0.641 | 1.365 | |
| m-ethylphenol 300 mg/kg | Male | n | 11 | 11 | |
| | | Mean | 6.911 | 11.487 | |
| | | S.D. | 0.942 | 1.908 | |
| | Female | n | 10 | 10 | |
| | | Mean | 6.405 | 10.642 | |
| | | S.D. | 0.686 | 1.426 | |
| m-ethylphenol 1000 mg/kg | Male | n | 10 | 10 | |
| | | Mean | 6.079 | 9.948 | |
| | | S.D. | 0.784 | 0.752 | |
| | Female | n | 10 | 10 | |
| | | Mean | 5.867 | 9.589 | |
| | | S.D. | 0.666 | 0.725 | |

Not significantly different from m-ethylphenol 0 mg/kg

Table 13

Study No. : SR13055

| Necropsy findings of offspring Generation : F0 | | | | | Species : Rat |
|---|-----------------------------|-------------------------------|-------------------------------|--------------------------------|---------------|
| Test article | m-ethylphenol 0 mg/kg | m-ethylphenol 100 mg/kg | m-ethylphenol 300 mg/kg | m-ethylphenol 1000 mg/kg | |
| Dose | | | | | |
| Dose unit | | | | | |
| Number of dams | 12 | 9 | 11 | 10 | |
| Number of live offspring examined on Day 4 of birth | 174 | 134 | 142 | 138 | |
| Finding absent | 174 | 134 | 142 | 138 | |
| Number of dead offspring examined on Day 0-4 of birth | 5 | 6 | 3 | 7 | |
| Finding absent | 5 | 6 | 3 | 7 | |

| Animal No. | Clinical signs | Period : Day 1-43 | | | | | | | | | | | | Species : Rat | | | | | |
|------------|----------------|-------------------|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| | | Day | | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - 74 - | | | | | | | | | | | | | | | | | | | |
| Animal No. | Clinical signs | Day | | | 7 | | | 8 | | | 9 | | | 10 | | | 11 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | | | 13 | | | 14 | | | 15 | | | 16 | | | 17 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Male | | Period : Day 1-43 Dose : m-ethylphenol 0 mg/kg | | | | | | | | | | | | Species : Rat | | | | | | |
|-----------------------------|----------------|---|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| Animal No. | Clinical signs | Day 19 | | | 20 | | | 21 | | | 22 | | | 23 | | | 24 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | Day 25 | | | 26 | | | 27 | | | 28 | | | 29 | | | 30 | | | |
| Animal No. | Clinical signs | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | Day 31 | | | 32 | | | 33 | | | 34 | | | 35 | | | 36 | | | |
| Animal No. | Clinical signs | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Male | | Period : Day 1-43 Dose : m-ethylphenol 0 mg/kg | | | | | | | | | | | | Species : Rat | | | | | |
|-----------------------------|----------------|---|---|---|--------|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| Animal No. | Clinical signs | Day 37 | | | 38 | | | 39 | | | 40 | | | 41 | | | 42 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | Day 43 | | | Time 4 | | | | | | | | | | | | | | |
| 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 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Clinical sign Sex : Male | | Period : Day 1-43 Dose : m-ethylphenol 100 mg/kg | | | | | | | | | | | | Species : Rat | | | | | |
|-----------------------------|--------------------------------------|---|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| Animal No. | Clinical signs | Day 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | 6 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10201 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10202 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10203 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10204 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 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 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | 12 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10201 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10202 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10203 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10204 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 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 13 | | | 14 | | | 15 | | | 16 | | | 17 | | | 18 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10201 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10202 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10203 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10204 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 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 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Animal No. | Clinical signs | Period : Day 1-43 | | | | | | | | | Species : Rat | | | | | | | | | |
|------------|--------------------------------------|-------------------|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|----|---|---|---|
| | | Day 19 | | | 20 | | | 21 | | | 22 | | | 23 | | | 24 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 10201 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10202 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10203 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10204 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 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 25 | | | | | | | | | 30 | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 10201 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10202 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10203 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10204 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | + | + | + | + | + | |
| 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 31 | | | | | | | | | 36 | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 10201 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10202 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10203 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10204 | Crushing of incisors (upper incisor) | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| 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 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Animal No. | Clinical signs | Period : Day 1-43 | | | | | | | | | | | | Species : Rat | | | | | |
|--|--------------------------------------|-------------------|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| | | Day 37 | | | 38 | | | 39 | | | 40 | | | 41 | | | 42 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10201 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10202 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10203 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10204 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 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 43 | | | | | | | | | | | | | | | | | | | |
| Time 4 | | | | | | | | | | | | | | | | | | | |
| 10201 | No abnormality | - | | | | | | | | | | | | | | | | | |
| 10202 | No abnormality | - | | | | | | | | | | | | | | | | | |
| 10203 | No abnormality | - | | | | | | | | | | | | | | | | | |
| 10204 | Crushing of incisors (upper incisor) | - | | | | | | | | | | | | | | | | | |
| 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 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Clinical sign Sex : Male | | Period : Day 1-43 Dose : m-ethylphenol 300 mg/kg | | | | | | | | | | | | Species : Rat | | | | | |
|-----------------------------|--------------------------------------|---|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| Animal No. | Clinical signs | Day 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | 6 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10301 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10302 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10303 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10304 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10305 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10306 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10307 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10308 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10309 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10310 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10311 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10312 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | 12 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10301 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10302 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10303 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10304 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10305 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10306 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10307 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10308 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10309 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10310 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10311 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10312 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 13 | | | 14 | | | 15 | | | 16 | | | 17 | | | 18 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10301 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10302 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10303 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10304 | Soil of perigenital fur | - | - | - | - | - | - | - | + | + | + | - | + | - | - | - | - | - | - |
| 10305 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10306 | Soil of perigenital fur | - | - | - | - | - | - | - | + | + | + | - | - | - | - | - | - | - | - |
| 10307 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10308 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10309 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10310 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10311 | Soil of perigenital fur | - | - | - | - | - | - | - | + | + | + | + | + | - | - | - | - | - | - |
| 10312 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Male | | Period : Day 1-43 Dose : m-ethylphenol 300 mg/kg | | | | | | | | | | | | Species : Rat | | | | | |
|-----------------------------|--------------------------------------|---|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| Animal No. | Clinical signs | Day 19 | | | 20 | | | 21 | | | 22 | | | 23 | | | 24 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10301 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10302 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10303 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10304 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10305 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10306 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10307 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10308 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10309 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10310 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10311 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10312 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 25 | | | 26 | | | 27 | | | 28 | | | 29 | | | 30 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10301 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10302 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10303 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10304 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10305 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10306 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10307 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10308 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10309 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | + | + | + | + | + | + | + | + | + | + | + |
| 10310 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10311 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10312 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 31 | | | 32 | | | 33 | | | 34 | | | 35 | | | 36 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10301 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10302 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10303 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10304 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10305 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10306 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10307 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10308 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10309 | Crushing of incisors (upper incisor) | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - | - |
| 10310 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10311 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10312 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Animal No. | Clinical signs | Period : Day 1-43 | | | | | | | | | | | | Species : Rat | | | | | | |
|------------|--------------------------------------|-------------------|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| | | Day 37 | | | 38 | | | 39 | | | 40 | | | 41 | | | 42 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 10301 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10302 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10303 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10304 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10305 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10306 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10307 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10308 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10309 | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10310 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10311 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10312 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | | | | | | | | |
| Animal No. | Clinical signs | Day 43 | | | | | | | | | | | | | | | | | | |
| | | Time | 4 | | | | | | | | | | | | | | | | | |
| 10301 | No abnormality | - | - | | | | | | | | | | | | | | | | | |
| 10302 | No abnormality | - | - | | | | | | | | | | | | | | | | | |
| 10303 | No abnormality | - | - | | | | | | | | | | | | | | | | | |
| 10304 | Soil of perigenital fur | - | - | | | | | | | | | | | | | | | | | |
| 10305 | No abnormality | - | - | | | | | | | | | | | | | | | | | |
| 10306 | Soil of perigenital fur | - | - | | | | | | | | | | | | | | | | | |
| 10307 | No abnormality | - | - | | | | | | | | | | | | | | | | | |
| 10308 | No abnormality | - | - | | | | | | | | | | | | | | | | | |
| 10309 | Crushing of incisors (upper incisor) | - | - | | | | | | | | | | | | | | | | | |
| 10310 | No abnormality | - | - | | | | | | | | | | | | | | | | | |
| 10311 | Soil of perigenital fur | - | - | | | | | | | | | | | | | | | | | |
| 10312 | No abnormality | - | - | | | | | | | | | | | | | | | | | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Animal No. | Clinical signs | Period : Day 1-43 | | | | | | | | | | | | Species : Rat | | | | | | |
|------------|--------------------------------------|-------------------|---|---|---|---|---|---|---|---|---|---|---|---------------|---|---|----|---|---|---|
| | | Day | | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 10401 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10402 | Staggering gait | - | - | - | - | - | - | - | + | - | - | + | - | - | - | - | - | - | - | |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10403 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10404 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10405 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | + | + | - | - | - | - | - | - | - | |
| | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10406 | Soil of perigenital fur | - | - | - | - | - | - | + | + | - | + | + | - | - | + | - | - | - | - | |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10407 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - | |
| 10408 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10409 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - | |
| 10410 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10411 | Soil of perigenital fur | - | - | - | - | - | - | + | + | + | + | + | - | - | + | - | - | - | - | |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10412 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Animal No. | Clinical signs | Day | | | 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10401 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10402 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10403 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10404 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10405 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10406 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10407 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10408 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10409 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10410 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10411 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10412 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Animal No. | Clinical signs | Period : Day 1-43 | | | | | | | | | | | | Species : Rat | | | | | |
|------------|--------------------------------------|-------------------|----|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| | | Day 13 | | | 14 | | | 15 | | | 16 | | | 17 | | | 18 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10401 | Soil of perigenital fur | - | - | - | - | - | - | - | + | + | + | - | - | - | - | - | - | - | - |
| 10402 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - |
| 10403 | Soil of perigenital fur | + | + | + | - | + | - | + | + | + | - | + | + | - | - | - | - | - | - |
| 10404 | Soil of perigenital fur | - | - | + | - | - | - | - | - | + | + | + | + | + | - | - | - | - | - |
| 10405 | Soil of perigenital fur | - | - | - | - | - | - | - | - | + | + | + | + | - | - | - | - | - | - |
| | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10406 | Soil of perigenital fur | - | - | - | - | - | - | + | + | + | + | - | - | + | + | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - |
| 10407 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10408 | Soil of perigenital fur | - | - | - | - | - | - | + | + | + | + | + | + | - | - | - | - | - | - |
| 10409 | Soil of perigenital fur | + | + | + | - | - | + | + | + | + | + | + | + | - | - | - | - | - | - |
| 10410 | Staggering gait | - | - | - | - | + | - | - | - | - | - | - | - | - | + | - | - | - | - |
| 10411 | Soil of perigenital fur | - | - | - | - | - | - | + | + | + | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - |
| 10412 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 19 | 24 | | | | | | | | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10401 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10402 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10403 | Soil of perigenital fur | + | + | + | - | + | + | - | - | + | - | + | + | - | - | - | - | - | - |
| 10404 | Soil of perigenital fur | + | + | - | + | + | + | + | + | + | - | - | - | - | - | - | - | - | - |
| 10405 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10406 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10407 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10408 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10409 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10410 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10411 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10412 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Animal No. | Clinical signs | Period : Day 1-43 | | | | | | | | | | | | Species : Rat | | | | | |
|------------|--------------------------------------|-------------------|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| | | Day 25 | | | 26 | | | 27 | | | 28 | | | 29 | | | 30 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10401 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10402 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10403 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10404 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10405 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10406 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | + | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10407 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10408 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10409 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10410 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10411 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10412 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 31 | | | | | | | | | | | | 32 | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10401 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10402 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10403 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | + | + | + | - | - |
| 10404 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10405 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | + | + | - | - | - |
| | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10406 | Soil of perigenital fur | - | - | - | - | - | - | - | + | + | + | + | + | - | - | + | + | + | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10407 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10408 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10409 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10410 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10411 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10412 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Animal No. | Clinical signs | Period : Day 1-43 | | | | | | | | | | | | Species : Rat | | | | | |
|------------|--------------------------------------|-------------------|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| | | Day 37 | | | 38 | | | 39 | | | 40 | | | 41 | | | 42 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10401 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10402 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10403 | Soil of perigenital fur | - | - | - | - | + | + | - | + | - | - | - | - | - | + | + | - | - | - |
| 10404 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10405 | Soil of perigenital fur | - | - | - | - | + | + | - | + | - | - | - | - | + | + | + | + | - | - |
| | Crushing of incisors (upper incisor) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | + | + | + | + |
| 10406 | Soil of perigenital fur | + | + | - | - | - | - | - | - | - | - | - | - | + | + | + | + | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10407 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10408 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10409 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10410 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10411 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10412 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 43 | | | | | | | | | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 10401 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10402 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10403 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10404 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10405 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Crushing of incisors (upper incisor) | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10406 | Soil of perigenital fur | + | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10407 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10408 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10409 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10410 | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10411 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10412 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 Day 1-52 Dose : m-ethylphenol 0 mg/kg | | | | | | | | | | | | Species : Rat | | | | | |
|-------------------------------|----------------|--|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| Animal No. | Clinical signs | Day 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | 6 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | 12 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 13 | | | 14 | | | 15 | | | 16 | | | 17 | | | 18 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 Day 1-52 Dose : m-ethylphenol 0 mg/kg | | | | | | | | | | | | Species : Rat | | | | | | |
|-------------------------------|----------------|--|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| Animal No. | Clinical signs | Day 19 | | | 20 | | | 21 | | | 22 | | | 23 | | | 24 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | | | | | | | | | | | | | | | | | | | |
| 88 | | Day 25 | | | 26 | | | 27 | | | 28 | | | 29 | | | 30 | | | |
| Animal No. | Clinical signs | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | | | | | | | | | | | | | | | | | | | |
| 88 | | Day 31 | | | 32 | | | 33 | | | 34 | | | 35 | | | 36 | | | |
| Animal No. | Clinical signs | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 Day 1-52 Dose : m-ethylphenol 0 mg/kg | | | | | | | | | | | | Species : Rat | | | | | | |
|-------------------------------|----------------|--|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| Animal No. | Clinical signs | Day 37 | | | 38 | | | 39 | | | 40 | | | 41 | | | 42 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | | | | | | | | | | | | | | | | | | | |
| Animal No. | | Day 43 | | | 44 | | | 45 | | | 46 | | | 47 | | | 48 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | | | | | | | | | | | | | | | | | | | |
| Animal No. | | Day 49 | | | 50 | | | 51 | | | 52 | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 4 | | | | | | | | |
| 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 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 gestation Day 0-26 Dose : m-ethylphenol 0 mg/kg | | | | | | | | | | | | Species : Rat | | | | | | |
|-------------------------------|----------------|--|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| Animal No. | Clinical signs | Day 0 | | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | Day 6 | | | 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | |
| Animal No. | Clinical signs | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | Day 12 | | | 13 | | | 14 | | | 15 | | | 16 | | | 17 | | | |
| Animal No. | Clinical signs | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 gestation Day 0-26 | | | | | | | | | | | | Species : Rat | | | | | | |
|-------------------------------|----------------|--------------------------------|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| Animal No. | Clinical signs | Day 18 | | | 19 | | | 20 | | | 21 | | | 22 | | | 23 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Animal No. | Clinical signs | Day 24 | | | 25 | | | 26 | | | | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 4 | | | | | | | | | | | |
| 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 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 lactation Day 0-4 Dose : m-ethylphenol 0 mg/kg | | | | | | | | | | | | Species : Rat | |
|-------------------------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---------------|---|
| Animal No. | Clinical signs | Day 0 | | 1 | | | 2 | | | 3 | | | 4 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 4 |
| 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 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 Day 1-52 | | | | | | | | | | | | Species : Rat | | | | | |
|-------------------------------|----------------|----------------------|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| Animal No. | Clinical signs | Day 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | 6 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | 12 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 13 | | | 14 | | | 15 | | | 16 | | | 17 | | | 18 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 Day 1-52 Dose : m-ethylphenol 100 mg/kg | | | | | | | | | | | | Species : Rat | | | | | | |
|-------------------------------|----------------|--|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| Animal No. | Clinical signs | Day 19 | | | 20 | | | 21 | | | 22 | | | 23 | | | 24 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 25 | | | 26 | | | 27 | | | 28 | | | 29 | | | 30 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 31 | | | 32 | | | 33 | | | 34 | | | 35 | | | 36 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 Day 1-52 Dose : m-ethylphenol 100 mg/kg | | | | | | | | | | | | Species : Rat | | | | | | |
|-------------------------------|----------------|--|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| Animal No. | Clinical signs | Day 37 | | | 38 | | | 39 | | | 40 | | | 41 | | | 42 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 43 | | | 44 | | | 45 | | | 46 | | | 47 | | | 48 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 49 | | | 50 | | | 51 | | | 52 | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 4 | | | | | |
| 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 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 gestation Day 0-26 Dose : m-ethylphenol 100 mg/kg | | | | | | | | | | | | | Species : Rat | | | | | |
|-------------------------------|----------------|--|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|----|
| Animal No. | Clinical signs | Day 0 | | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 50251 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50252 | No abnormality | - | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| 50254 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50255 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50256 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50257 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50258 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50259 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50260 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50261 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50262 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | Day 6 | | | 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | |
| Animal No. | Clinical signs | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 50251 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50252 | No abnormality | - | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| 50254 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50255 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50256 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50257 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50258 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50259 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50260 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50261 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50262 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | Day 12 | | | 13 | | | 14 | | | 15 | | | 16 | | | 17 | | | |
| Animal No. | Clinical signs | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 50251 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50252 | No abnormality | - | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| 50254 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50255 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50256 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50257 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50258 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50259 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50260 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50261 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50262 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

\$: Excepted data from calculation

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 gestation Day 0-26 Dose : m-ethylphenol 100 mg/kg | | | | | | | | | | | | Species : Rat | | | | | |
|-------------------------------|----------------|--|----|---|----|---|----|----|----|---|----|---|----|---------------|----|---|----|---|----|
| Animal No. | Clinical signs | Day 18 | | | 19 | | | 20 | | | 21 | | | 22 | | | 23 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 50251 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50252 | 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 24 | | | 25 | | | 26 | | | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 4 | | | | | | | | | | |
| 50251 | No abnormality | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ |
| 50252 | 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 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

\$: Excepted data from calculation

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 lactation Day 0-4 Dose : m-ethylphenol 100 mg/kg | | | | | | | | | | | | Species : Rat | |
|-------------------------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---------------|---|
| Animal No. | Clinical signs | Day 0 | | 1 | | | 2 | | | 3 | | | 4 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 4 |
| 50251 | 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 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

No. 50261 : Total litter loss

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 Day 1-52 Dose : m-ethylphenol 300 mg/kg | | | | | | | | | | | | | | Species : Rat | | | | | |
|-------------------------------|-------------------------|--|---|---|----|---|---|----|---|---|----|---|---|----|---|---------------|----|---|---|---|--|
| Animal No. | Clinical signs | Day 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | 6 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50361 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50362 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Animal No. | Clinical signs | Day 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | 12 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50361 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50362 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Animal No. | Clinical signs | Day 13 | | | 14 | | | 15 | | | 16 | | | 17 | | | 18 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | + | + | + | + | + | - | - | + | - | |
| 50361 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50362 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Animal No. | Clinical signs | Period : F0 Day 1-52 | | | Species : Rat | | | | | | | | | |
|------------|-------------------------|--------------------------------|---|---|---------------|----|----|----|----|----|---|---|---|---|
| | | Dose : m-ethylphenol 300 mg/kg | | | Day 19 | 20 | 21 | 22 | 23 | 24 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | Soil of perigenital fur | | | | | | | | | | | | | |
| 50361 | No abnormality | | | | | | | | | | | | | |
| 50362 | No abnormality | | | | | | | | | | | | | |
| - | | Day 25 | | | 26 | 27 | 28 | 29 | 30 | | | | | |
| Animal No. | Clinical signs | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
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| - 100 - | | Day 31 | | | 32 | 33 | 34 | 35 | 36 | | | | | |
| Animal No. | Clinical signs | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
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1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 Day 1-52 Dose : m-ethylphenol 300 mg/kg | | | | | | | | | | | | Species : Rat | | | | | | |
|-------------------------------|-------------------------|--|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| Animal No. | Clinical signs | Day 37 | | | 38 | | | 39 | | | 40 | | | 41 | | | 42 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50361 | No abnormality | | | | | | | | | | | | | | | | | | | |
| 50362 | No abnormality | | | | | | | | | | | | | | | | | | | |
| Animal No. | | Day 43 | | | 44 | | | 45 | | | 46 | | | 47 | | | 48 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50361 | No abnormality | | | | | | | | | | | | | | | | | | | |
| 50362 | No abnormality | | | | | | | | | | | | | | | | | | | |
| Animal No. | | Day 49 | | | 50 | | | 51 | | | 52 | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 4 | | | | | | | | |
| 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 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50361 | No abnormality | | | | | | | | | | | | | | | | | | | |
| 50362 | No abnormality | | | | | | | | | | | | | | | | | | | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 gestation Day 0-26 Dose : m-ethylphenol 300 mg/kg | | | | | | | | | | | | | | Species : Rat | | | | | |
|-------------------------------|----------------|--|----|---|----|---|----|----|----|---|----|---|----|----|----|---------------|----|---|----|---|--|
| Animal No. | Clinical signs | Day 0 | | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Animal No. | Clinical signs | Day 6 | | | 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Animal No. | Clinical signs | Day 12 | | | 13 | | | 14 | | | 15 | | | 16 | | | 17 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 : Pre-dosing, 2 : Post-dosing, 3 : PM

\$: Excepted data from calculation

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 gestation Day 0-26 Dose : m-ethylphenol 300 mg/kg | | | | | | | | | | | | Species : Rat | | | | | | |
|-------------------------------|----------------|--|----|---|----|---|----|----|----|---|----|---|----|---------------|----|---|----|---|----|---|
| Animal No. | Clinical signs | Day 18 | | | 19 | | | 20 | | | 21 | | | 22 | | | 23 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Animal No. | Clinical signs | Day 24 | | | 25 | | | 26 | | | | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 4 | | | | | | | | | | | |
| 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 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

\$: Excepted data from calculation

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 lactation Day 0-4 Dose : m-ethylphenol 300 mg/kg | | | | | | | | | | | | Species : Rat | |
|-------------------------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---------------|---|
| Animal No. | Clinical signs | Day 0 | | 1 | | | 2 | | | 3 | | | 4 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 4 |
| 50351 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50352 | 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 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Animal No. | Clinical signs | Period : F0 Day 1-52 | | | | | | | | | | | | Species : Rat | | | | | | |
|------------|--------------------------------|----------------------|-------|---|---|---|---|---|---|---|---|---|---|---------------|---|---|---|---|---|---|
| | | Day 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | 6 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 50451 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50453 | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50454 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50455 | Decrease in locomotor activity | - | - | - | - | - | - | - | + | - | - | + | - | - | - | - | - | - | - | |
| | Staggering gait | - | - | - | - | - | - | - | + | - | - | - | - | - | - | - | - | - | - | |
| | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50456 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50457 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50458 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50459 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50460 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Animal No. | Clinical signs | Day 7 | Day 8 | | | | | | | | | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| | | - | - | - | + | - | - | - | - | + | - | - | - | - | - | - | - | - | - | |
| 50451 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50453 | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50454 | Soil of perigenital fur | - | - | - | - | + | - | - | - | - | - | - | - | - | + | + | + | + | + | |
| 50455 | Decrease in locomotor activity | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50456 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50457 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50458 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50459 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50460 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 Day 1-52 Dose : m-ethylphenol 1000 mg/kg | | | | | | | | | | | | Species : Rat | | | | | |
|-------------------------------|--------------------------------|---|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|
| Animal No. | Clinical signs | Day 13 | | | 14 | | | 15 | | | 16 | | | 17 | | | 18 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 50451 | Soil of perigenital fur | - | - | - | - | - | - | - | + | + | + | + | + | + | + | + | + | + | - |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50453 | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50454 | Soil of perigenital fur | + | + | - | + | + | + | + | + | + | + | + | + | + | + | + | + | - | - |
| 50455 | Decrease in locomotor activity | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Soil of perigenital fur | - | - | - | - | - | - | - | + | + | + | - | - | - | - | - | - | - | - |
| 50456 | Soil of perigenital fur | - | - | - | - | - | - | - | + | + | + | - | + | + | - | - | - | - | - |
| 50457 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50458 | Soil of perigenital fur | - | - | - | - | - | - | - | + | + | + | - | + | + | + | + | - | - | - |
| 50459 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | + | - | - | - | - | - | - |
| 50460 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | + | + | + | + | - | - | - |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | Clinical signs | Day 19 | | | 20 | | | 21 | | | 22 | | | 23 | | | 24 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 |
| 50451 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50453 | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50454 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50455 | Decrease in locomotor activity | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Staggering gait | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50456 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50457 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50458 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50459 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50460 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Animal No. | Clinical signs | Period : F0 Day 1-52 | | | | | | | | | | | | Species : Rat | | | | | | |
|------------|--|----------------------|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| | | Day 25 | | | 26 | | | 27 | | | 28 | | | 29 | | | 30 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 50451 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | + | + | + |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50453 | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50454 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50455 | Decrease in locomotor activity Staggering gait Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | + | + | + |
| 50456 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50457 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50458 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50459 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50460 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Animal No. | | Day 31 | | | | | | | | | | | | 32 | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 50451 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50453 | Salivation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50454 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50455 | Decrease in locomotor activity Staggering gait Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | + | + | + |
| 50456 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50457 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50458 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50459 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50460 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Animal No. | Clinical signs | Period : F0 Day 1-52 | | | | | | | | | | | | Species : Rat | | | | | | |
|------------|--|----------------------|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| | | Day 37 | | | 38 | | | 39 | | | 40 | | | 41 | | | 42 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 50451 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50452 | No abnormality | | | | | | | | | | | | | | | | | | | |
| 50453 | Salivation | | | | | | | | | | | | | | | | | | | |
| 50454 | Soil of perigenital fur | | | | | + | + | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50455 | Decrease in locomotor activity Staggering gait Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50456 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50457 | No abnormality | | | | | | | | | | | | | | | | | | | |
| 50458 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50459 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50460 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50461 | No abnormality | | | | | | | | | | | | | | | | | | | |
| 50462 | No abnormality | | | | | | | | | | | | | | | | | | | |
| Animal No. | Clinical signs | Day 43 | | | | | | | | | | | | 44 | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| | | | | | | | | | | | | | | | | | | | | |
| 50451 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50452 | No abnormality | | | | | | | | | | | | | | | | | | | |
| 50453 | Salivation | | | | | | | | | | | | | | | | | | | |
| 50454 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50455 | Decrease in locomotor activity Staggering gait Soil of perigenital fur | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50456 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50457 | No abnormality | | | | | | | | | | | | | | | | | | | |
| 50458 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50459 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50460 | Soil of perigenital fur | | | | | | | | | | | | | | | | | | | |
| 50461 | No abnormality | | | | | | | | | | | | | | | | | | | |
| 50462 | No abnormality | | | | | | | | | | | | | | | | | | | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 Day 1-52 Dose : m-ethylphenol 1000 mg/kg | | | | | | | | | | Species : Rat |
|-------------------------------|--|---|---|----|---|---|----|---|---|----|---|---------------|
| Animal No. | Clinical signs | Day 49 | | 50 | | | 51 | | | 52 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 4 |
| 50451 | Soil of perigenital fur | | | | | | | | | | | |
| 50452 | No abnormality | | | | | | | | | | | |
| 50453 | Salivation | | | | | | | | | | | |
| 50454 | Soil of perigenital fur | | | | | | | | | | | |
| 50455 | Decrease in locomotor activity Staggering gait Soil of perigenital fur | | - | - | - | - | - | - | - | - | - | - |
| 50456 | Soil of perigenital fur | | | | | | | | | | | |
| 50457 | No abnormality | | | | | | | | | | | |
| 50458 | Soil of perigenital fur | | | | | | | | | | | |
| 50459 | Soil of perigenital fur | | | | | | | | | | | |
| 50460 | Soil of perigenital fur | | | | | | | | | | | |
| 50461 | No abnormality | | | | | | | | | | | |
| 50462 | No abnormality | | | | | | | | | | | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 gestation Day 0-26 Dose : m-ethylphenol 1000 mg/kg | | | | | | | | | | | | | | Species : Rat | | | | | |
|-------------------------------|-------------------------|---|---|---|----|---|---|----|---|---|----|---|---|----|---|---------------|----|---|---|---|--|
| Animal No. | Clinical signs | Day 0 | | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | |
| 50451 | Soil of perigenital fur | - | - | - | - | - | - | - | - | + | + | - | - | + | - | - | - | - | - | - | |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50453 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50455 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50456 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50457 | Prone position | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | Tachypnea | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50458 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50459 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50460 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Animal No. | Clinical signs | Day 6 | | | 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | |
| 50451 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50453 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50455 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50456 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50457 | Prone position | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | Tachypnea | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50458 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50459 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50460 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Animal No. | Clinical signs | Day 12 | | | 13 | | | 14 | | | 15 | | | 16 | | | 17 | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | |
| 50451 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | + | + | + | - | |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50453 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50455 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50456 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50457 | Prone position | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | Tachypnea | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50458 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50459 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50460 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 gestation Day 0-26 Dose : m-ethylphenol 1000 mg/kg | | | | | | | | | | | | Species : Rat | | | | | | |
|-------------------------------|-------------------------|---|---|---|----|---|---|----|---|---|----|---|---|---------------|---|---|----|---|---|---|
| Animal No. | Clinical signs | Day 18 | | | 19 | | | 20 | | | 21 | | | 22 | | | 23 | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 50451 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50453 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50455 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50456 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50457 | Prone position | - | - | - | - | - | - | - | - | - | - | - | + | - | - | + | - | - | - | |
| | Tachypnea | - | - | - | - | - | - | - | - | - | - | - | + | - | - | - | - | - | - | |
| 50458 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50459 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50460 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Animal No. | Clinical signs | Day 24 | | | 25 | | | 26 | | | | | | | | | | | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 4 | | | | | | | | | | | |
| 50451 | Soil of perigenital fur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50453 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50455 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50456 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50457 | Prone position | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | Tachypnea | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50458 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50459 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50460 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

- : No abnormality, + : Present

| Clinical sign Sex : Female | | Period : F0 lactation Day 0-4 Dose : m-ethylphenol 1000 mg/kg | | | | | | | | | | | | Species : Rat | |
|-------------------------------|------------------|--|---|---|---|---|---|---|---|---|---|---|---|---------------|---|
| Animal No. | Clinical signs | Day 0 | | 1 | | | 2 | | | 3 | | | 4 | | |
| | | Time | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 4 |
| 50451 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50452 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50453 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50455 | Lateral position | - | - | - | - | - | - | - | + | - | - | - | - | - | - |
| 50456 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50457 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50458 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50459 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50460 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50461 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 50462 | No abnormality | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

1 : Pre-dosing, 2 : Post-dosing, 3 : PM, 4 : Necropsy day

No. 50457 : Total litter loss

- : No abnormality, + : Present

| Animal No. | Body weight Sex : Male | | Period : Day 1-42 Dose : m-ethylphenol 0 mg/kg | | | | | | Unit : g | Species : Rat | |
|------------|---------------------------|-------|---|-------|-------|-------|-------|-------|----------|---------------|---------------------|
| | /Day | | 1 | 3 | 7 | 14 | 21 | 28 | 35 | 42 | Body weight gain |
| 10101 | | 380 | 390 | 398 | 432 | 448 | 476 | 495 | 515 | 135 | |
| 10102 | | 401 | 413 | 434 | 473 | 483 | 513 | 541 | 553 | 152 | |
| 10103 | | 407 | 410 | 420 | 445 | 468 | 487 | 511 | 530 | 123 | |
| 10104 | | 386 | 391 | 405 | 425 | 442 | 476 | 504 | 529 | 143 | |
| 10105 | | 404 | 412 | 434 | 474 | 505 | 533 | 570 | 598 | 194 | |
| 10106 | | 414 | 422 | 434 | 456 | 473 | 490 | 502 | 524 | 110 | |
| 10107 | | 384 | 390 | 393 | 424 | 445 | 471 | 494 | 521 | 137 | |
| 10108 | | 384 | 384 | 387 | 409 | 423 | 437 | 452 | 467 | 83 | |
| 10109 | | 399 | 410 | 420 | 458 | 482 | 509 | 522 | 543 | 144 | |
| 10110 | | 403 | 411 | 424 | 464 | 479 | 517 | 546 | 579 | 176 | |
| 10111 | | 369 | 384 | 393 | 425 | 443 | 471 | 490 | 503 | 134 | |
| 10112 | | 380 | 395 | 403 | 443 | 465 | 496 | 518 | 543 | 163 | |
| n | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| Mean | | 392.6 | 401.0 | 412.1 | 444.0 | 463.0 | 489.7 | 512.1 | 533.8 | 141.2 | |
| S.D. | | 13.8 | 13.2 | 17.6 | 21.3 | 23.2 | 26.0 | 30.7 | 34.1 | 29.2 | |

| Animal No. | Body weight Sex : Male | | Period : Day 1-42 Dose : m-ethylphenol 100 mg/kg | | | | | | Unit : g | Species : Rat | |
|------------|---------------------------|-------|---|-------|-------|-------|-------|-------|----------|---------------|---------------------|
| | /Day | | 1 | 3 | 7 | 14 | 21 | 28 | 35 | 42 | Body weight gain |
| 10201 | | 382 | 389 | 395 | 429 | 441 | 466 | 483 | 500 | 118 | |
| 10202 | | 398 | 412 | 425 | 459 | 490 | 519 | 543 | 569 | 171 | |
| 10203 | | 408 | 414 | 439 | 476 | 503 | 524 | 554 | 578 | 170 | |
| 10204 | | 388 | 393 | 399 | 422 | 436 | 442 | 450 | 467 | 79 | |
| 10205 | | 405 | 408 | 415 | 440 | 465 | 486 | 513 | 525 | 120 | |
| 10206 | | 394 | 403 | 418 | 456 | 482 | 512 | 530 | 556 | 162 | |
| 10207 | | 420 | 428 | 448 | 490 | 522 | 552 | 582 | 611 | 191 | |
| 10208 | | 372 | 384 | 401 | 432 | 448 | 472 | 503 | 535 | 163 | |
| 10209 | | 390 | 399 | 410 | 434 | 449 | 473 | 498 | 518 | 128 | |
| 10210 | | 406 | 416 | 430 | 465 | 494 | 526 | 563 | 601 | 195 | |
| 10211 | | 372 | 380 | 381 | 402 | 415 | 425 | 435 | 446 | 74 | |
| 10212 | | 381 | 389 | 407 | 437 | 466 | 498 | 516 | 543 | 162 | |
| n | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| Mean | | 393.0 | 401.3 | 414.0 | 445.2 | 467.6 | 491.3 | 514.2 | 537.4 | 144.4 | |
| S.D. | | 15.0 | 14.7 | 19.3 | 24.7 | 31.4 | 37.4 | 44.1 | 50.2 | 40.3 | |

| Animal No. | Body weight Sex : Male | | Period : Day 1-42 Dose : m-ethylphenol 300 mg/kg | | | | | | Unit : g | Species : Rat | |
|------------|---------------------------|-------|---|-------|-------|-------|-------|-------|----------|---------------------|--|
| | /Day | 1 | 3 | 7 | 14 | 21 | 28 | 35 | 42 | Body weight gain | |
| 10301 | | 399 | 407 | 411 | 437 | 460 | 490 | 510 | 530 | 131 | |
| 10302 | | 382 | 390 | 415 | 460 | 483 | 505 | 529 | 556 | 174 | |
| 10303 | | 383 | 393 | 397 | 410 | 422 | 442 | 456 | 471 | 88 | |
| 10304 | | 398 | 409 | 419 | 448 | 459 | 477 | 495 | 517 | 119 | |
| 10305 | | 420 | 427 | 441 | 469 | 491 | 526 | 549 | 560 | 140 | |
| 10306 | | 380 | 391 | 399 | 431 | 440 | 460 | 478 | 497 | 117 | |
| 10307 | | 406 | 417 | 430 | 454 | 459 | 485 | 505 | 534 | 128 | |
| 10308 | | 374 | 377 | 387 | 395 | 404 | 421 | 428 | 437 | 63 | |
| 10309 | | 408 | 423 | 435 | 470 | 490 | 454 | 493 | 522 | 114 | |
| 10310 | | 399 | 410 | 424 | 459 | 469 | 494 | 514 | 545 | 146 | |
| 10311 | | 381 | 386 | 404 | 432 | 440 | 468 | 489 | 517 | 136 | |
| 10312 | | 380 | 389 | 405 | 434 | 451 | 474 | 487 | 498 | 118 | |
| n | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| Mean | | 392.5 | 401.6 | 413.9 | 441.6 | 455.7 | 474.7 | 494.4 | 515.3 | 122.8 | |
| S.D. | | 14.4 | 16.0 | 16.5 | 23.1 | 26.5 | 28.5 | 31.8 | 35.5 | 28.1 | |

| Animal No. | Body weight Sex : Male | | Period : Day 1-42 Dose : m-ethylphenol 1000 mg/kg | | | | | | Unit : g | Species : Rat | |
|------------|---------------------------|-------|--|-------|-------|-------|-------|-------|----------|---------------------|--|
| | /Day | 1 | 3 | 7 | 14 | 21 | 28 | 35 | 42 | Body weight gain | |
| 10401 | | 389 | 396 | 411 | 432 | 437 | 460 | 477 | 485 | 96 | |
| 10402 | | 411 | 402 | 398 | 409 | 418 | 429 | 444 | 450 | 39 | |
| 10403 | | 378 | 384 | 381 | 405 | 421 | 438 | 454 | 457 | 79 | |
| 10404 | | 405 | 395 | 402 | 426 | 442 | 459 | 474 | 499 | 94 | |
| 10405 | | 391 | 362 | 402 | 430 | 440 | 472 | 481 | 474 | 83 | |
| 10406 | | 408 | 411 | 420 | 437 | 445 | 473 | 483 | 490 | 82 | |
| 10407 | | 404 | 386 | 387 | 396 | 396 | 407 | 415 | 443 | 39 | |
| 10408 | | 400 | 394 | 404 | 431 | 443 | 472 | 499 | 516 | 116 | |
| 10409 | | 370 | 363 | 372 | 383 | 384 | 398 | 414 | 428 | 58 | |
| 10410 | | 382 | 358 | 372 | 390 | 388 | 409 | 432 | 462 | 80 | |
| 10411 | | 392 | 381 | 388 | 411 | 425 | 451 | 473 | 485 | 93 | |
| 10412 | | 373 | 355 | 366 | 383 | 397 | 424 | 442 | 459 | 86 | |
| n | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| Mean | | 391.9 | 382.3 | 391.9 | 411.1 | 419.7 | 441.0 | 457.3 | 470.7 | 78.8 | |
| S.D. | | 14.0 | 18.7 | 17.0 | 19.9 | 22.9 | 27.3 | 28.0 | 25.3 | 23.0 | |

| Animal No. | Body weight Sex : Female | | Period : F0 before mating Day 1-14 Dose : m-ethylphenol 0 mg/kg | | | Unit : g | Species : Rat | |
|------------|-----------------------------|-------|--|-------|-------|----------|---------------------|--|
| | /Day | | 1 | 3 | 7 | 14 | Body weight gain | |
| 50151 | | 252 | 268 | 280 | 288 | 36 | | |
| 50152 | | 255 | 262 | 264 | 275 | 20 | | |
| 50153 | | 240 | 245 | 244 | 268 | 28 | | |
| 50154 | | 235 | 242 | 252 | 271 | 36 | | |
| 50155 | | 263 | 267 | 280 | 292 | 29 | | |
| 50156 | | 236 | 252 | 255 | 259 | 23 | | |
| 50157 | | 256 | 260 | 273 | 271 | 15 | | |
| 50158 | | 239 | 245 | 247 | 256 | 17 | | |
| 50159 | | 265 | 257 | 265 | 283 | 18 | | |
| 50160 | | 248 | 254 | 263 | 275 | 27 | | |
| 50161 | | 234 | 252 | 259 | 266 | 32 | | |
| 50162 | | 242 | 244 | 253 | 261 | 19 | | |
| n | | 12 | 12 | 12 | 12 | 12 | | |
| Mean | | 247.1 | 254.0 | 261.3 | 272.1 | 25.0 | | |
| S.D. | | 11.0 | 9.0 | 11.9 | 11.3 | 7.4 | | |

| Animal No. | Body weight Sex : Female | | Period : F0 Day 15-52 Dose : m-ethylphenol 0 mg/kg | | | Unit : g | Species : Rat |
|------------|-----------------------------|----|---|----|----|----------|---------------|
| | /Day | 21 | 28 | 35 | 42 | 49 | 52 |
| 50151 | | | | | | | |
| 50152 | | | | | | | |
| 50153 | | | | | | | |
| 50154 | | | | | | | |
| 50155 | | | | | | | |
| 50156 | | | | | | | |
| 50157 | | | | | | | |
| 50158 | | | | | | | |
| 50159 | | | | | | | |
| 50160 | | | | | | | |
| 50161 | | | | | | | |
| 50162 | | | | | | | |
| n | | 0 | 0 | 0 | 0 | 0 | 0 |
| Mean | | | | | | | |
| S.D. | | | | | | | |

| Animal No. | Body weight Sex : Female /Day | | | | Period : F0 gestation Day 0-20 Dose : m-ethylphenol 0 mg/kg | Unit : g | Species : Rat |
|------------|-------------------------------------|-------|-------|-------|--|----------|---------------|
| | 0 | 7 | 14 | 20 | | | |
| 50151 | 291 | 348 | 405 | 506 | 215 | | |
| 50152 | 279 | 328 | 368 | 449 | 170 | | |
| 50153 | 266 | 312 | 348 | 432 | 166 | | |
| 50154 | 275 | 314 | 349 | 433 | 158 | | |
| 50155 | 311 | 359 | 397 | 482 | 171 | | |
| 50156 | 270 | 305 | 351 | 439 | 169 | | |
| 50157 | 295 | 334 | 364 | 443 | 148 | | |
| 50158 | 260 | 302 | 337 | 423 | 163 | | |
| 50159 | 289 | 335 | 377 | 455 | 166 | | |
| 50160 | 295 | 344 | 384 | 478 | 183 | | |
| 50161 | 267 | 305 | 345 | 450 | 183 | | |
| 50162 | 277 | 306 | 341 | 423 | 146 | | |
| n | 12 | 12 | 12 | 12 | 12 | | |
| Mean | 281.3 | 324.3 | 363.8 | 451.1 | 169.8 | | |
| S.D. | 15.1 | 19.6 | 22.6 | 25.6 | 18.2 | | |

| Body weight Sex : Female | | Period : F0 lactation Day 0-4 | | Unit : g | Species : Rat |
|-----------------------------|------|-------------------------------|-------|----------|---------------|
| Animal No. | /Day | 0 | 4 | | |
| | | Body weight gain | | | |
| 50151 | | 385 | 396 | 11 | |
| 50152 | | 341 | 370 | 29 | |
| 50153 | | 337 | 361 | 24 | |
| 50154 | | 317 | 345 | 28 | |
| 50155 | | 365 | 352 | -13 | |
| 50156 | | 333 | 345 | 12 | |
| 50157 | | 339 | 358 | 19 | |
| 50158 | | 298 | 322 | 24 | |
| 50159 | | 348 | 348 | 0 | |
| 50160 | | 367 | 373 | 6 | |
| 50161 | | 305 | 350 | 45 | |
| 50162 | | 316 | 347 | 31 | |
| n | | 12 | 12 | 12 | |
| Mean | | 337.6 | 355.6 | 18.0 | |
| S.D. | | 26.2 | 18.4 | 15.7 | |

| Animal No. | Body weight Sex : Female | | Period : F0 before mating Day 1-14 Dose : m-ethylphenol 100 mg/kg | | | Unit : g | Species : Rat | |
|------------|-----------------------------|-------|--|-------|-------|----------|---------------------|--|
| | /Day | | 1 | 3 | 7 | 14 | Body weight gain | |
| 50251 | | 247 | 250 | 255 | 262 | 15 | | |
| 50252 | | 225 | 227 | 233 | 243 | 18 | | |
| 50253 | | 253 | 260 | 267 | 282 | 29 | | |
| 50254 | | 257 | 265 | 267 | 269 | 12 | | |
| 50255 | | 250 | 242 | 255 | 278 | 28 | | |
| 50256 | | 236 | 245 | 253 | 266 | 30 | | |
| 50257 | | 247 | 250 | 260 | 281 | 34 | | |
| 50258 | | 250 | 254 | 261 | 270 | 20 | | |
| 50259 | | 271 | 274 | 292 | 315 | 44 | | |
| 50260 | | 256 | 263 | 270 | 279 | 23 | | |
| 50261 | | 231 | 226 | 234 | 244 | 13 | | |
| 50262 | | 234 | 235 | 248 | 253 | 19 | | |
| n | | 12 | 12 | 12 | 12 | 12 | | |
| Mean | | 246.4 | 249.3 | 257.9 | 270.2 | 23.8 | | |
| S.D. | | 12.9 | 15.1 | 16.0 | 19.6 | 9.5 | | |

| Animal No. | Body weight Sex : Female /Day | | Period : F0 Day 15-52 Dose : m-ethylphenol 100 mg/kg | | | | Unit : g | Species : Rat |
|------------|-------------------------------------|-------|---|-------|-------|-------|----------|---------------|
| | 21 | 28 | 35 | 42 | 49 | 52 | | |
| 50251 | | | | | | | | |
| 50252 | | | | | | | | |
| 50253 | 331 | 349 | 343 | 340 | 354 | 361 | | |
| 50254 | | | | | | | | |
| 50255 | | | | | | | | |
| 50256 | | | | | | | | |
| 50257 | | | | | | | | |
| 50258 | 310 | | | | | | | |
| 50259 | | | | | | | | |
| 50260 | | | | | | | | |
| 50261 | | | | | | | | |
| 50262 | | | | | | | | |
| n | 2 | 1 | 1 | 1 | 1 | 1 | | |
| Mean | 320.5 | 349.0 | 343.0 | 340.0 | 354.0 | 361.0 | | |
| S.D. | 14.8 | | | | | | | |

| Animal No. | Body weight Sex : Female /Day | | | | Period : F0 gestation Day 0-20 Dose : m-ethylphenol 100 mg/kg | Unit : g | Species : Rat |
|------------|-------------------------------------|--------|--------|--------|--|----------|---------------|
| | 0 | 7 | 14 | 20 | | | |
| 50251 | 270 | 295 | 323 | 412 | 142 | | |
| 50252 | 246 \$ | 276 \$ | 285 \$ | 304 \$ | 58 \$ | | |
| 50254 | 280 | 324 | 371 | 472 | 192 | | |
| 50255 | 282 | 330 | 381 | 466 | 184 | | |
| 50256 | 277 | 311 | 341 | 409 | 132 | | |
| 50257 | 280 | 331 | 386 | 488 | 208 | | |
| 50258 | 318 | 341 | 378 | 454 | 136 | | |
| 50259 | 330 | 364 | 426 | 510 | 180 | | |
| 50260 | 287 | 329 | 359 | 435 | 148 | | |
| 50261 | 245 | 283 | 315 | 395 | 150 | | |
| 50262 | 280 | 318 | 371 | 467 | 187 | | |
| n | 10 | 10 | 10 | 10 | 10 | | |
| Mean | 284.9 | 322.6 | 365.1 | 450.8 | 165.9 | | |
| S.D. | 23.8 | 22.9 | 32.5 | 37.2 | 27.1 | | |

\$: Excepted data from calculation

| Body weight Sex : Female | | Period : F0 lactation Day 0-4 Dose : m-ethylphenol 100 mg/kg | | Unit : g | Species : Rat |
|-----------------------------|------|---|-------|------------------|---------------|
| Animal No. | /Day | 0 | 4 | Body weight gain | |
| 50251 | | 306 | 332 | 26 | |
| 50254 | | 359 | 370 | 11 | |
| 50255 | | 360 | 364 | 4 | |
| 50256 | | 321 | 353 | 32 | |
| 50257 | | 341 | 375 | 34 | |
| 50258 | | 355 | 371 | 16 | |
| 50259 | | 413 | 393 | -20 | |
| 50260 | | 338 | 352 | 14 | |
| 50261 | | 295 | | | |
| 50262 | | 342 | 372 | 30 | |
| n | | 10 | 9 | 9 | |
| Mean | | 343.0 | 364.7 | 16.3 | |
| S.D. | | 33.0 | 17.3 | 17.1 | |

No. 50261 : Total litter loss

| Animal No. | Body weight /Day | | | | Period : F0 before mating Day 1-14 Dose : m-ethylphenol 300 mg/kg | Unit : g | Species : Rat |
|------------|------------------|-------|-------|-------|--|----------|---------------|
| | 1 | 3 | 7 | 14 | | | |
| 50351 | 275 | 274 | 276 | 276 | 1 | | |
| 50352 | 261 | 267 | 278 | 288 | 27 | | |
| 50353 | 255 | 261 | 267 | 266 | 11 | | |
| 50354 | 237 | 235 | 239 | 240 | 3 | | |
| 50355 | 245 | 252 | 254 | 257 | 12 | | |
| 50356 | 249 | 251 | 257 | 260 | 11 | | |
| 50357 | 236 | 232 | 239 | 244 | 8 | | |
| 50358 | 250 | 250 | 258 | 264 | 14 | | |
| 50359 | 221 | 223 | 226 | 240 | 19 | | |
| 50360 | 252 | 255 | 259 | 264 | 12 | | |
| 50361 | 244 | 247 | 253 | 259 | 15 | | |
| 50362 | 251 | 254 | 262 | 264 | 13 | | |
| n | 12 | 12 | 12 | 12 | 12 | | |
| Mean | 248.0 | 250.1 | 255.7 | 260.2 | 12.2 | | |
| S.D. | 13.5 | 14.5 | 15.2 | 14.1 | 6.8 | | |

| Animal No. | Body weight Sex : Female /Day | | Period : F0 Day 15-52 Dose : m-ethylphenol 300 mg/kg | | | Unit : g | Species : Rat |
|------------|-------------------------------------|----|---|----|----|----------|---------------|
| | 21 | 28 | 35 | 42 | 49 | | |
| 50351 | | | | | | | |
| 50352 | | | | | | | |
| 50353 | | | | | | | |
| 50354 | | | | | | | |
| 50355 | | | | | | | |
| 50356 | | | | | | | |
| 50357 | | | | | | | |
| 50358 | | | | | | | |
| 50359 | | | | | | | |
| 50360 | | | | | | | |
| 50361 | | | | | | | |
| 50362 | | | | | | | |
| n | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mean | | | | | | | |
| S.D. | | | | | | | |

| Animal No. | Body weight Sex : Female /Day | | | | Period : F0 gestation Day 0-20 Dose : m-ethylphenol 300 mg/kg | Unit : g | Species : Rat |
|------------|-------------------------------------|--------|--------|--------|--|----------|---------------|
| | 0 | 7 | 14 | 20 | | | |
| 50351 | 293 | 333 | 355 | 391 | 98 | | |
| 50352 | 304 | 349 | 403 | 498 | 194 | | |
| 50353 | 272 \$ | 302 \$ | 309 \$ | 302 \$ | 30 \$ | | |
| 50354 | 256 | 291 | 333 | 430 | 174 | | |
| 50355 | 264 | 296 | 327 | 408 | 144 | | |
| 50356 | 261 | 306 | 342 | 421 | 160 | | |
| 50357 | 263 | 311 | 361 | 447 | 184 | | |
| 50358 | 289 | 320 | 364 | 458 | 169 | | |
| 50359 | 241 | 282 | 301 | 335 | 94 | | |
| 50360 | 270 | 296 | 335 | 390 | 120 | | |
| 50361 | 277 | 305 | 342 | 418 | 141 | | |
| 50362 | 275 | 316 | 366 | 454 | 179 | | |
| n | 11 | 11 | 11 | 11 | 11 | | |
| Mean | 272.1 | 309.5 | 348.1 | 422.7 | 150.6 | | |
| S.D. | 18.1 | 19.4 | 26.3 | 43.1 | 34.4 | | |

\$: Excepted data from calculation

| Body weight Sex : Female | | Period : F0 lactation Day 0-4 | | Unit : g | Species : Rat |
|-----------------------------|------|-------------------------------|-------|----------|---------------|
| Animal No. | /Day | 0 | 4 | | |
| | | Body weight gain | | | |
| 50351 | | 340 | 348 | 8 | |
| 50352 | | 382 | 405 | 23 | |
| 50354 | | 302 | 333 | 31 | |
| 50355 | | 306 | 319 | 13 | |
| 50356 | | 319 | 335 | 16 | |
| 50357 | | 312 | 360 | 48 | |
| 50358 | | 349 | 372 | 23 | |
| 50359 | | 292 | 296 | 4 | |
| 50360 | | 330 | 340 | 10 | |
| 50361 | | 306 | 321 | 15 | |
| 50362 | | 331 | 357 | 26 | |
| n | | 11 | 11 | 11 | |
| Mean | | 324.5 | 344.2 | 19.7 | |
| S.D. | | 25.8 | 29.4 | 12.4 | |

| Animal No. | Body weight Sex : Female /Day | | | | Period : F0 before mating Day 1-14 Dose : m-ethylphenol 1000 mg/kg | Unit : g | Species : Rat |
|------------|-------------------------------------|-------|-------|-------|---|----------|---------------|
| | 1 | 3 | 7 | 14 | | | |
| 50451 | 237 | 228 | 236 | 238 | 1 | | |
| 50452 | 249 | 247 | 241 | 258 | 9 | | |
| 50453 | 245 | 239 | 241 | 249 | 4 | | |
| 50454 | 257 | 260 | 259 | 263 | 6 | | |
| 50455 | 259 | 246 | 245 | 263 | 4 | | |
| 50456 | 261 | 256 | 257 | 256 | -5 | | |
| 50457 | 229 | 226 | 223 | 222 | -7 | | |
| 50458 | 261 | 263 | 266 | 260 | -1 | | |
| 50459 | 228 | 227 | 232 | 230 | 2 | | |
| 50460 | 243 | 247 | 251 | 257 | 14 | | |
| 50461 | 250 | 248 | 252 | 262 | 12 | | |
| 50462 | 255 | 240 | 248 | 258 | 3 | | |
| n | 12 | 12 | 12 | 12 | 12 | | |
| Mean | 247.8 | 243.9 | 245.9 | 251.3 | 3.5 | | |
| S.D. | 11.7 | 12.5 | 12.2 | 13.8 | 6.3 | | |

| Animal No. | Body weight Sex : Female /Day | | Period : F0 Day 15-52 Dose : m-ethylphenol 1000 mg/kg | | | Unit : g | Species : Rat |
|------------|-------------------------------------|-------|--|-------|-------|----------|---------------|
| | 21 | 28 | 35 | 42 | 49 | | |
| 50451 | | | | | | | |
| 50452 | | | | | | | |
| 50453 | | | | | | | |
| 50454 | 305 | 317 | 305 | 326 | 343 | 350 | |
| 50455 | | | | | | | |
| 50456 | | | | | | | |
| 50457 | | | | | | | |
| 50458 | | | | | | | |
| 50459 | | | | | | | |
| 50460 | | | | | | | |
| 50461 | | | | | | | |
| 50462 | | | | | | | |
| n | 1 | 1 | 1 | 1 | 1 | 1 | |
| Mean | 305.0 | 317.0 | 305.0 | 326.0 | 343.0 | 350.0 | |
| S.D. | | | | | | | |

| Animal No. | Body weight Sex : Female /Day | | | | Period : F0 gestation Day 0-20 Dose : m-ethylphenol 1000 mg/kg | Unit : g | Species : Rat |
|------------|-------------------------------------|-------|-------|-------|---|----------|---------------|
| | 0 | 7 | 14 | 20 | | | |
| 50451 | 237 | 283 | 327 | 397 | 160 | | |
| 50452 | 260 | 285 | 306 | 366 | 106 | | |
| 50453 | 255 | 274 | 315 | 371 | 116 | | |
| 50455 | 261 | 297 | 332 | 400 | 139 | | |
| 50456 | 277 | 309 | 343 | 420 | 143 | | |
| 50457 | 228 | 256 | 287 | 337 | 109 | | |
| 50458 | 276 | 310 | 349 | 427 | 151 | | |
| 50459 | 236 | 259 | 291 | 364 | 128 | | |
| 50460 | 257 | 303 | 342 | 423 | 166 | | |
| 50461 | 269 | 312 | 353 | 439 | 170 | | |
| 50462 | 269 | 294 | 336 | 414 | 145 | | |
| n | 11 | 11 | 11 | 11 | 11 | | |
| Mean | 256.8 | 289.3 | 325.5 | 396.2 | 139.4 | | |
| S.D. | 16.6 | 19.8 | 22.8 | 32.4 | 22.3 | | |

| Body weight Sex : Female | | Period : F0 lactation Day 0-4 Dose : m-ethylphenol 1000 mg/kg | | Unit : g | Species : Rat |
|-----------------------------|------|--|-------|---------------------|---------------|
| Animal No. | /Day | 0 | 4 | Body weight gain | |
| 50451 | | 309 | 325 | 16 | |
| 50452 | | 285 | 312 | 27 | |
| 50453 | | 307 | 310 | 3 | |
| 50455 | | 285 | 301 | 16 | |
| 50456 | | 320 | 342 | 22 | |
| 50457 | | 264 | | | |
| 50458 | | 323 | 345 | 22 | |
| 50459 | | 276 | 294 | 18 | |
| 50460 | | 313 | 345 | 32 | |
| 50461 | | 333 | 351 | 18 | |
| 50462 | | 297 | 336 | 39 | |
| n | | 11 | 10 | 10 | |
| Mean | | 301.1 | 326.1 | 21.3 | |
| S.D. | | 21.5 | 20.6 | 9.9 | |

No. 50457 : Total litter loss

| Animal No. | Food consumption Sex : Male | | Period : Day 1-42 Dose : m-ethylphenol 0 mg/kg | | | Unit : g | Species : Rat |
|------------|--------------------------------|-------|---|-------|-------|----------|---------------|
| | /Day | | 3 | 7 | 14 | 35 | 42 |
| 10101 | | 25.2 | 21.3 | 22.2 | 21.1 | 20.8 | |
| 10102 | | 26.2 | 25.1 | 25.6 | 24.5 | 21.7 | |
| 10103 | | 25.8 | 23.6 | 22.3 | 23.2 | 22.0 | |
| 10104 | | 26.8 | 26.2 | 26.0 | 28.0 | 26.2 | |
| 10105 | | 24.6 | 25.2 | 26.1 | 25.1 | 24.3 | |
| 10106 | | 27.3 | 25.2 | 24.6 | 22.4 | 23.5 | |
| 10107 | | 25.5 | 21.6 | 21.8 | 23.2 | 23.9 | |
| 10108 | | 22.4 | 21.0 | 21.5 | 21.0 | 20.6 | |
| 10109 | | 26.1 | 23.7 | 23.6 | 23.2 | 22.9 | |
| 10110 | | 26.6 | 24.3 | 25.9 | 25.9 | 27.4 | |
| 10111 | | 26.0 | 22.5 | 22.6 | 22.3 | 21.9 | |
| 10112 | | 25.7 | 23.8 | 24.2 | 24.4 | 24.0 | |
| n | | 12 | 12 | 12 | 12 | 12 | |
| Mean | | 25.68 | 23.63 | 23.87 | 23.69 | 23.27 | |
| S.D. | | 1.26 | 1.70 | 1.76 | 2.02 | 2.07 | |

| Animal No. | Food consumption Sex : Male /Day | | Period : Day 1-42 Dose : m-ethylphenol 100 mg/kg | | | Unit : g | Species : Rat |
|------------|--|-------|---|-------|-------|----------|---------------|
| | 3 | 7 | 14 | 35 | 42 | | |
| 10201 | 23.6 | 21.7 | 22.5 | 23.1 | 21.9 | | |
| 10202 | 25.6 | 24.0 | 24.0 | 24.8 | 24.4 | | |
| 10203 | 27.7 | 26.8 | 27.0 | 27.0 | 26.9 | | |
| 10204 | 24.3 | 23.0 | 22.3 | 21.5 | 21.5 | | |
| 10205 | 25.9 | 23.8 | 23.0 | 25.4 | 23.1 | | |
| 10206 | 25.2 | 25.2 | 25.4 | 25.0 | 24.7 | | |
| 10207 | 27.2 | 28.1 | 28.3 | 30.1 | 28.8 | | |
| 10208 | 25.3 | 24.9 | 25.4 | 25.4 | 27.1 | | |
| 10209 | 23.6 | 23.0 | 22.1 | 22.0 | 22.3 | | |
| 10210 | 25.5 | 24.3 | 24.3 | 26.3 | 27.5 | | |
| 10211 | 24.7 | 20.7 | 21.3 | 20.6 | 19.2 | | |
| 10212 | 24.5 | 26.2 | 24.9 | 25.4 | 26.2 | | |
| n | 12 | 12 | 12 | 12 | 12 | | |
| Mean | 25.26 | 24.31 | 24.21 | 24.72 | 24.47 | | |
| S.D. | 1.27 | 2.11 | 2.11 | 2.62 | 2.92 | | |

| Animal No. | Food consumption Sex : Male | | Period : Day 1-42 Dose : m-ethylphenol 300 mg/kg | | | Unit : g | Species : Rat |
|------------|--------------------------------|-------|---|-------|-------|----------|---------------|
| | /Day | | 3 | 7 | 14 | 35 | 42 |
| 10301 | | 25.8 | 23.7 | 23.3 | 23.3 | 23.5 | |
| 10302 | | 23.8 | 24.6 | 26.4 | 24.7 | 24.7 | |
| 10303 | | 23.9 | 22.2 | 21.9 | 20.1 | 20.0 | |
| 10304 | | 24.2 | 24.7 | 25.1 | 23.9 | 23.9 | |
| 10305 | | 26.0 | 23.6 | 23.1 | 23.0 | 22.8 | |
| 10306 | | 25.4 | 23.3 | 24.2 | 23.2 | 22.3 | |
| 10307 | | 26.1 | 26.4 | 24.5 | 24.5 | 24.7 | |
| 10308 | | 23.2 | 22.8 | 21.3 | 20.8 | 19.3 | |
| 10309 | | 27.6 | 24.5 | 25.3 | 26.4 | 25.1 | |
| 10310 | | 24.6 | 25.0 | 26.0 | 24.6 | 24.7 | |
| 10311 | | 21.5 | 23.8 | 24.4 | 24.1 | 24.6 | |
| 10312 | | 23.9 | 25.1 | 25.3 | 24.8 | 24.3 | |
| n | | 12 | 12 | 12 | 12 | 12 | |
| Mean | | 24.67 | 24.14 | 24.23 | 23.62 | 23.33 | |
| S.D. | | 1.61 | 1.14 | 1.57 | 1.74 | 1.92 | |

| Animal No. | Food consumption Sex : Male /Day | | Period : Day 1-42 Dose : m-ethylphenol 1000 mg/kg | | | Unit : g | Species : Rat |
|------------|--|-------|--|-------|-------|----------|---------------|
| | 3 | 7 | 14 | 35 | 42 | | |
| 10401 | 22.8 | 24.2 | 24.3 | 25.7 | 25.1 | | |
| 10402 | 17.8 | 20.5 | 23.1 | 22.5 | 21.4 | | |
| 10403 | 18.1 | 24.3 | 24.8 | 25.2 | 25.4 | | |
| 10404 | 17.8 | 22.3 | 24.2 | 25.9 | 24.5 | | |
| 10405 | 15.6 | 24.5 | 26.3 | 25.6 | 25.0 | | |
| 10406 | 22.6 | 23.1 | 23.6 | 23.7 | 22.5 | | |
| 10407 | 15.9 | 17.8 | 22.8 | 22.7 | 23.1 | | |
| 10408 | 19.3 | 23.0 | 25.6 | 26.0 | 27.2 | | |
| 10409 | 16.7 | 21.2 | 21.8 | 24.6 | 24.8 | | |
| 10410 | 15.6 | 18.5 | 22.8 | 25.0 | 25.1 | | |
| 10411 | 18.7 | 22.3 | 24.7 | 25.7 | 25.8 | | |
| 10412 | 14.6 | 18.9 | 22.2 | 23.9 | 24.4 | | |
| n | 12 | 12 | 12 | 12 | 12 | | |
| Mean | 17.96 | 21.72 | 23.85 | 24.71 | 24.53 | | |
| S.D. | 2.62 | 2.34 | 1.37 | 1.23 | 1.55 | | |

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 before mating Day 1-14 Dose : m-ethylphenol 0 mg/kg | Unit : g | Species : Rat |
|------------|--|-------|-------|--|----------|---------------|
| | 3 | 7 | 14 | | | |
| 50151 | 20.0 | 20.0 | 20.1 | | | |
| 50152 | 18.5 | 15.4 | 16.3 | | | |
| 50153 | 16.6 | 16.4 | 17.9 | | | |
| 50154 | 18.0 | 17.5 | 18.2 | | | |
| 50155 | 18.0 | 20.6 | 21.5 | | | |
| 50156 | 19.1 | 16.3 | 15.8 | | | |
| 50157 | 18.7 | 20.0 | 18.8 | | | |
| 50158 | 18.3 | 15.9 | 16.6 | | | |
| 50159 | 15.3 | 17.5 | 17.9 | | | |
| 50160 | 15.9 | 17.7 | 18.8 | | | |
| 50161 | 20.0 | 17.2 | 16.4 | | | |
| 50162 | 14.5 | 17.2 | 17.2 | | | |
| n | 12 | 12 | 12 | | | |
| Mean | 17.74 | 17.64 | 17.96 | | | |
| S.D. | 1.79 | 1.70 | 1.68 | | | |

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 Day 28-49 Dose : m-ethylphenol 0 mg/kg | Unit : g | Species : Rat |
|------------|--|----|----|---|----------|---------------|
| | 35 | 42 | 49 | | | |
| 50151 | | | | | | |
| 50152 | | | | | | |
| 50153 | | | | | | |
| 50154 | | | | | | |
| 50155 | | | | | | |
| 50156 | | | | | | |
| 50157 | | | | | | |
| 50158 | | | | | | |
| 50159 | | | | | | |
| 50160 | | | | | | |
| 50161 | | | | | | |
| 50162 | | | | | | |
| n | 0 | 0 | 0 | | | |
| Mean | | | | | | |
| S.D. | | | | | | |

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 gestation Day 0-20 Dose : m-ethylphenol 0 mg/kg | Unit : g | Species : Rat |
|------------|--|-------|-------|--|----------|---------------|
| | 7 | 14 | 20 | | | |
| 50151 | 23.5 | 28.6 | 29.5 | | | |
| 50152 | 22.2 | 24.0 | 23.9 | | | |
| 50153 | 22.1 | 25.3 | 25.8 | | | |
| 50154 | 21.4 | 21.9 | 22.2 | | | |
| 50155 | 26.9 | 27.6 | 23.7 | | | |
| 50156 | 20.6 | 24.1 | 23.2 | | | |
| 50157 | 24.4 | 23.3 | 21.7 | | | |
| 50158 | 22.2 | 22.1 | 21.3 | | | |
| 50159 | 21.6 | 23.0 | 23.2 | | | |
| 50160 | 25.0 | 27.1 | 26.3 | | | |
| 50161 | 21.4 | 24.0 | 25.5 | | | |
| 50162 | 20.6 | 22.7 | 22.6 | | | |
| n | 12 | 12 | 12 | | | |
| Mean | 22.66 | 24.48 | 24.08 | | | |
| S.D. | 1.92 | 2.21 | 2.34 | | | |

| Food consumption Sex : Female | | Period : F0 lactation Day 0-4 Dose : m-ethylphenol 0 mg/kg | Unit : g | Species : Rat |
|----------------------------------|-------|---|----------|---------------|
| Animal No. | /Day | | | |
| 50151 | 19.0 | | | |
| 50152 | 32.0 | | | |
| 50153 | 39.2 | | | |
| 50154 | 34.4 | | | |
| 50155 | 15.0 | | | |
| 50156 | 29.0 | | | |
| 50157 | 32.0 | | | |
| 50158 | 35.1 | | | |
| 50159 | 32.8 | | | |
| 50160 | 26.6 | | | |
| 50161 | 33.9 | | | |
| 50162 | 37.4 | | | |
| n | 12 | | | |
| Mean | 30.53 | | | |
| S.D. | 7.20 | | | |

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 before mating Day 1-14 Dose : m-ethylphenol 100 mg/kg | Unit : g | Species : Rat |
|------------|--|-------|-------|--|----------|---------------|
| | 3 | 7 | 14 | | | |
| 50251 | 18.1 | 16.1 | 15.2 | | | |
| 50252 | 11.8 | 15.4 | 17.1 | | | |
| 50253 | 17.0 | 18.9 | 19.8 | | | |
| 50254 | 17.5 | 17.9 | 17.9 | | | |
| 50255 | 16.8 | 20.1 | 21.3 | | | |
| 50256 | 17.7 | 17.3 | 17.1 | | | |
| 50257 | 16.9 | 16.9 | 17.8 | | | |
| 50258 | 17.9 | 19.2 | 20.0 | | | |
| 50259 | 19.8 | 21.6 | 22.0 | | | |
| 50260 | 19.4 | 18.5 | 18.9 | | | |
| 50261 | 13.2 | 16.8 | 16.3 | | | |
| 50262 | 13.5 | 16.2 | 16.6 | | | |
| n | 12 | 12 | 12 | | | |
| Mean | 16.63 | 17.91 | 18.33 | | | |
| S.D. | 2.50 | 1.82 | 2.09 | | | |

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 Day 28-49 Dose : m-ethylphenol 100 mg/kg | Unit : g | Species : Rat |
|------------|--|-------|-------|---|----------|---------------|
| | 35 | 42 | 49 | | | |
| 50251 | | | | | | |
| 50252 | | | | | | |
| 50253 | 17.3 | 17.6 | 19.5 | | | |
| 50254 | | | | | | |
| 50255 | | | | | | |
| 50256 | | | | | | |
| 50257 | | | | | | |
| 50258 | | | | | | |
| 50259 | | | | | | |
| 50260 | | | | | | |
| 50261 | | | | | | |
| 50262 | | | | | | |
| n | 1 | 1 | 1 | | | |
| Mean | 17.30 | 17.60 | 19.50 | | | |
| S.D. | | | | | | |

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 gestation Day 0-20 Dose : m-ethylphenol 100 mg/kg | Unit : g | Species : Rat |
|------------|--|---------|---------|--|----------|---------------|
| | 7 | 14 | 20 | | | |
| 50251 | 18.9 | 19.5 | 21.8 | | | |
| 50252 | 20.6 \$ | 20.4 \$ | 19.8 \$ | | | |
| 50254 | 24.4 | 25.9 | 25.8 | | | |
| 50255 | 26.7 | 29.4 | 26.5 | | | |
| 50256 | 20.7 | 22.0 | 21.4 | | | |
| 50257 | 22.4 | 25.6 | 26.9 | | | |
| 50258 | 22.4 | 22.9 | 21.7 | | | |
| 50259 | 25.4 | 32.6 | 26.0 | | | |
| 50260 | 22.4 | 25.0 | 23.6 | | | |
| 50261 | 19.4 | 21.0 | 21.0 | | | |
| 50262 | 22.0 | 23.1 | 24.0 | | | |
| n | 10 | 10 | 10 | | | |
| Mean | 22.47 | 24.70 | 23.87 | | | |
| S.D. | 2.49 | 3.95 | 2.30 | | | |

\$: Excepted data from calculation

| Food consumption Sex : Female | | Period : F0 lactation Day 0-4 Dose : m-ethylphenol 100 mg/kg | Unit : g | Species : Rat |
|----------------------------------|-------|---|----------|---------------|
| Animal No. | /Day | | | |
| 50251 | 31.8 | | | |
| 50254 | 33.8 | | | |
| 50255 | 30.0 | | | |
| 50256 | 33.0 | | | |
| 50257 | 33.5 | | | |
| 50258 | 30.1 | | | |
| 50259 | 27.3 | | | |
| 50260 | 30.0 | | | |
| 50261 | | | | |
| 50262 | 38.8 | | | |
| n | 9 | | | |
| Mean | 32.03 | | | |
| S.D. | 3.29 | | | |

No. 50261 : Total litter loss

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 before mating Day 1-14 Dose : m-ethylphenol 300 mg/kg | Unit : g | Species : Rat |
|------------|--|-------|-------|--|----------|---------------|
| | 3 | 7 | 14 | | | |
| 50351 | 14.2 | 16.0 | 16.6 | | | |
| 50352 | 17.6 | 19.9 | 20.8 | | | |
| 50353 | 18.2 | 17.8 | 16.5 | | | |
| 50354 | 14.7 | 16.8 | 16.5 | | | |
| 50355 | 16.7 | 16.9 | 17.4 | | | |
| 50356 | 18.3 | 17.0 | 16.5 | | | |
| 50357 | 11.3 | 12.8 | 15.8 | | | |
| 50358 | 14.7 | 17.2 | 17.6 | | | |
| 50359 | 13.6 | 16.5 | 18.4 | | | |
| 50360 | 17.0 | 17.3 | 18.1 | | | |
| 50361 | 16.4 | 17.1 | 17.9 | | | |
| 50362 | 15.1 | 17.3 | 18.4 | | | |
| n | 12 | 12 | 12 | | | |
| Mean | 15.65 | 16.88 | 17.54 | | | |
| S.D. | 2.09 | 1.60 | 1.34 | | | |

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 Day 28-49 Dose : m-ethylphenol 300 mg/kg | Unit : g | Species : Rat |
|------------|--|----|----|---|----------|---------------|
| | 35 | 42 | 49 | | | |
| 50351 | | | | | | |
| 50352 | | | | | | |
| 50353 | | | | | | |
| 50354 | | | | | | |
| 50355 | | | | | | |
| 50356 | | | | | | |
| 50357 | | | | | | |
| 50358 | | | | | | |
| 50359 | | | | | | |
| 50360 | | | | | | |
| 50361 | | | | | | |
| 50362 | | | | | | |
| n | 0 | 0 | 0 | | | |
| Mean | | | | | | |
| S.D. | | | | | | |

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 gestation Day 0-20 Dose : m-ethylphenol 300 mg/kg | Unit : g | Species : Rat |
|------------|--|---------|---------|--|----------|---------------|
| | 7 | 14 | 20 | | | |
| 50351 | 22.7 | 22.4 | 21.1 | | | |
| 50352 | 24.8 | 28.8 | 25.5 | | | |
| 50353 | 18.9 \$ | 19.7 \$ | 14.7 \$ | | | |
| 50354 | 21.4 | 24.4 | 24.1 | | | |
| 50355 | 20.7 | 21.2 | 22.3 | | | |
| 50356 | 22.0 | 23.8 | 23.5 | | | |
| 50357 | 23.6 | 23.8 | 23.2 | | | |
| 50358 | 21.6 | 24.3 | 25.0 | | | |
| 50359 | 21.0 | 22.6 | 22.0 | | | |
| 50360 | 19.5 | 23.6 | 22.3 | | | |
| 50361 | 22.2 | 21.9 | 19.2 | | | |
| 50362 | 24.5 | 26.8 | 24.4 | | | |
| n | 11 | 11 | 11 | | | |
| Mean | 22.18 | 23.96 | 22.96 | | | |
| S.D. | 1.62 | 2.19 | 1.84 | | | |

\$: Excepted data from calculation

| Food consumption Sex : Female | | Period : F0 lactation Day 0-4 Dose : m-ethylphenol 300 mg/kg | Unit : g | Species : Rat |
|----------------------------------|-------|---|----------|---------------|
| Animal No. | /Day | | | |
| 50351 | 20.5 | | | |
| 50352 | 34.0 | | | |
| 50354 | 31.8 | | | |
| 50355 | 30.8 | | | |
| 50356 | 32.3 | | | |
| 50357 | 39.3 | | | |
| 50358 | 36.5 | | | |
| 50359 | 16.0 | | | |
| 50360 | 29.9 | | | |
| 50361 | 26.7 | | | |
| 50362 | 34.7 | | | |
| n | 11 | | | |
| Mean | 30.23 | | | |
| S.D. | 6.87 | | | |

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 before mating Day 1-14 Dose : m-ethylphenol 1000 mg/kg | Unit : g | Species : Rat |
|------------|--|-------|-------|---|----------|---------------|
| | 3 | 7 | 14 | | | |
| 50451 | 9.4 | 16.6 | 16.2 | | | |
| 50452 | 11.9 | 13.7 | 17.0 | | | |
| 50453 | 14.3 | 16.7 | 18.0 | | | |
| 50454 | 14.7 | 15.3 | 16.1 | | | |
| 50455 | 10.2 | 12.2 | 16.5 | | | |
| 50456 | 13.3 | 15.6 | 16.1 | | | |
| 50457 | 13.3 | 13.8 | 14.0 | | | |
| 50458 | 16.4 | 17.6 | 17.2 | | | |
| 50459 | 14.3 | 14.6 | 14.0 | | | |
| 50460 | 16.6 | 16.3 | 16.3 | | | |
| 50461 | 16.0 | 15.9 | 18.4 | | | |
| 50462 | 11.7 | 17.1 | 18.1 | | | |
| n | 12 | 12 | 12 | | | |
| Mean | 13.51 | 15.45 | 16.49 | | | |
| S.D. | 2.35 | 1.60 | 1.42 | | | |

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 Day 28-49 Dose : m-ethylphenol 1000 mg/kg | Unit : g | Species : Rat |
|------------|--|-------|-------|--|----------|---------------|
| | 35 | 42 | 49 | | | |
| 50451 | | | | | | |
| 50452 | | | | | | |
| 50453 | | | | | | |
| 50454 | 16.0 | 19.1 | 22.8 | | | |
| 50455 | | | | | | |
| 50456 | | | | | | |
| 50457 | | | | | | |
| 50458 | | | | | | |
| 50459 | | | | | | |
| 50460 | | | | | | |
| 50461 | | | | | | |
| 50462 | | | | | | |
| n | 1 | 1 | 1 | | | |
| Mean | 16.00 | 19.10 | 22.80 | | | |
| S.D. | | | | | | |

| Animal No. | Food consumption Sex : Female /Day | | | Period : F0 gestation Day 0-20 Dose : m-ethylphenol 1000 mg/kg | Unit : g | Species : Rat |
|------------|--|-------|-------|---|----------|---------------|
| | 7 | 14 | 20 | | | |
| 50451 | 21.6 | 26.0 | 25.5 | | | |
| 50452 | 19.6 | 20.6 | 21.0 | | | |
| 50453 | 16.6 | 23.7 | 23.3 | | | |
| 50455 | 20.7 | 23.1 | 24.2 | | | |
| 50456 | 22.6 | 24.6 | 25.4 | | | |
| 50457 | 16.4 | 18.8 | 17.9 | | | |
| 50458 | 22.4 | 26.3 | 27.5 | | | |
| 50459 | 17.9 | 21.2 | 21.0 | | | |
| 50460 | 21.7 | 24.8 | 23.4 | | | |
| 50461 | 22.6 | 23.1 | 25.7 | | | |
| 50462 | 20.8 | 23.6 | 23.2 | | | |
| n | 11 | 11 | 11 | | | |
| Mean | 20.26 | 23.25 | 23.46 | | | |
| S.D. | 2.33 | 2.29 | 2.70 | | | |

| Food consumption Sex : Female | | Period : F0 lactation Day 0-4 Dose : m-ethylphenol 1000 mg/kg | Unit : g | Species : Rat |
|----------------------------------|-------|--|----------|---------------|
| Animal No. | /Day | | | |
| 50451 | 32.4 | | | |
| 50452 | 29.8 | | | |
| 50453 | 22.1 | | | |
| 50455 | 25.2 | | | |
| 50456 | 27.5 | | | |
| 50457 | | | | |
| 50458 | 37.6 | | | |
| 50459 | 30.0 | | | |
| 50460 | 40.5 | | | |
| 50461 | 39.2 | | | |
| 50462 | 37.1 | | | |
| n | 10 | | | |
| Mean | 32.14 | | | |
| S.D. | 6.28 | | | |

No. 50457 : Total litter loss

| Necropsy findings | | |
|---|----------------|---------------|
| Sex : Male | Stage : Day 43 | Species : Rat |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10101 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10102 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10103 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10104 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10105 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10106 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10107 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10108 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10109 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10110 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10111 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 0 mg/kg Animal No. : 10112 | | |
| Finding absent : Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |

| Necropsy findings Sex : Male | | Stage : Day 43 | Species : Rat |
|---------------------------------|---|--------------------|---------------------|
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10201 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10202 | Infertility |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10203 | Unsuccessful mating |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10204 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10205 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10206 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10207 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10208 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10209 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10210 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10211 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10212 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |

| Necropsy findings | | Stage : Day 43 | Species : Rat |
|------------------------------|---|--------------------|---------------|
| Sex : Male | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10301 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10302 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10303 | Infertility |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10304 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10305 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10306 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10307 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10308 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10309 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10310 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10311 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 10312 | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | |

| Necropsy findings | | | Stage : Day 43 | Species : Rat |
|------------------------------|---|--------------------|---------------------|---------------|
| Sex : Male | | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10401 | | |
| Stomach, limiting ridge | | | | |
| Findings : Finding present | | | | |
| Thickening | | | | |
| Non-graded change | | | | |
| Finding absent : | Upper incisor, Forestomach, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10402 | | |
| Forestomach | | | | |
| Findings : Finding present | | | | |
| Thickening, mucosa | | | | |
| Non-graded change | | | | |
| Finding absent : | Upper incisor, Stomach, limiting ridge, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10403 | | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10404 | Unsuccessful mating | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10405 | | |
| Upper incisor | | | | |
| Findings : Finding present | | | | |
| Crushing | | | | |
| Non-graded change | | | | |
| Finding Comment : left | | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10406 | | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10407 | | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10408 | | |
| Stomach, limiting ridge | | | | |
| Findings : Finding present | | | | |
| Thickening | | | | |
| Non-graded change | | | | |
| Finding absent : | Upper incisor, Forestomach, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10409 | | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | | |

| Necropsy findings | | | Stage : Day 43 | Species : Rat |
|------------------------------|---|--------------------|----------------|---------------|
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10410 | | |
| Forestomach | | | | |
| Findings : Finding present | | | | |
| Thickening, mucosa | | | | |
| Non-graded change | | | | |
| Finding absent : | Upper incisor, Stomach, limiting ridge, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10411 | | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10412 | | |
| Finding absent : | Upper incisor, Forestomach, Stomach, limiting ridge, Other organs & tissues | | | |

| Necropsy findings | | | Stage : Lactation day 4 | Species : Rat |
|------------------------------|---|--------------------|-------------------------|---------------|
| Sex : Female | | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50151 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50152 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50153 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50154 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50155 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50156 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50157 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50158 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50159 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50160 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50161 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50162 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |

| Necropsy findings | | Stage : Lactation day 4 | Species : Rat |
|--|--|-------------------------|---------------|
| Sex : Female | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50251 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50252 Non-pregnancy | | | |
| Uterine horn Findings : Finding present Retention, white mucus Non-graded change Finding Comment : left | | | |
| Vagina Findings : Finding present Atresia Non-graded change | | | |
| Finding absent : Forestomach, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50253 Unsuccessful mating | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50254 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50255 | | | |
| Spleen Findings : Finding present Deformity Non-graded change Adhesion, to fat tissue Non-graded change | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50256 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50257 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50258 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50259 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50260 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50261 Total litter loss | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 100 mg/kg Animal No. : 50262 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |

| Necropsy findings | | | Stage : Lactation day 4 | Species : Rat |
|------------------------------|---|--------------------|-------------------------|---------------|
| Sex : Female | | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50351 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50352 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50353 | Non-pregnancy | |
| Vagina | | | | |
| Findings : | Finding present | | | |
| Atresia | | | | |
| | Non-graded change | | | |
| Finding absent : | Forestomach, Uterine horn, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50354 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50355 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50356 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50357 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50358 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50359 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50360 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50361 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50362 | | |
| Finding absent : | Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |

| Necropsy findings | | Stage : Lactation day 4 | Species : Rat |
|--|--|-------------------------|---------------|
| Sex : Female | | | |
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50451 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50452 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50453 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50454 | | Unsuccessful mating | |
| Forestomach | | | |
| Findings : Finding present | | | |
| Thickening, mucosa, focal | | | |
| Non-graded change | | | |
| Finding absent : Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50455 | | | |
| Forestomach | | | |
| Findings : Finding present | | | |
| Thickening, mucosa, focal | | | |
| Non-graded change | | | |
| Finding absent : Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50456 | | | |
| Forestomach | | | |
| Findings : Finding present | | | |
| Thickening, mucosa, focal | | | |
| Non-graded change | | | |
| Finding absent : Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50457 | | Total litter loss | |
| Forestomach | | | |
| Findings : Finding present | | | |
| Thickening, mucosa, focal | | | |
| Non-graded change | | | |
| Finding absent : Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50458 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50459 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50460 | | | |
| Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | | |

| Necropsy findings Sex : Female | Stage : Lactation day 4 | Species : Rat |
|--|-------------------------|---------------|
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50461 Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | |
| Test article : m-ethylphenol Dose : 1000 mg/kg Animal No. : 50462 Finding absent : Forestomach, Uterine horn, Vagina, Spleen, Other organs & tissues | | |

| Organ weight Sex : Male | | Stage : Day 43 Dose : m-ethylphenol 0 mg/kg | | | | | | Species : Rat | |
|----------------------------|---------------------|--|--------------|------------|--------------|----------|---------------|--------------------|--------------|
| Animal No. | Body weight g | Testis | | Epididymis | | Prostate | | Seminal vesicle | |
| | | AB g | RE g/100g | AB g | RE g/100g | AB mg | RE mg/100g | AB g | RE g/100g |
| 10101 | 517 | 3.26 | 0.63 | 1.34 | 0.26 | 805 | 155.71 | 2.47 | 0.48 |
| 10102 | 560 | 3.18 | 0.57 | 1.31 | 0.23 | 651 | 116.25 | 2.38 | 0.43 |
| 10103 | 532 | 3.56 | 0.67 | 1.32 | 0.25 | 458 | 86.09 | 2.17 | 0.41 |
| 10104 | 533 | 3.24 | 0.61 | 1.35 | 0.25 | 839 | 157.41 | 1.91 | 0.36 |
| 10105 | 606 | 2.85 | 0.47 | 1.25 | 0.21 | 546 | 90.10 | 1.63 | 0.27 |
| 10106 | 529 | 3.83 | 0.72 | 1.37 | 0.26 | 819 | 154.82 | 2.23 | 0.42 |
| 10107 | 529 | 3.41 | 0.64 | 1.32 | 0.25 | 582 | 110.02 | 2.39 | 0.45 |
| 10108 | 469 | 3.35 | 0.71 | 1.30 | 0.28 | 604 | 128.78 | 1.77 | 0.38 |
| 10109 | 547 | 2.87 | 0.52 | 1.15 | 0.21 | 868 | 158.68 | 2.10 | 0.38 |
| 10110 | 579 | 3.20 | 0.55 | 1.55 | 0.27 | 692 | 119.52 | 2.22 | 0.38 |
| 10111 | 507 | 3.45 | 0.68 | 1.37 | 0.27 | 692 | 136.49 | 2.08 | 0.41 |
| 10112 | 552 | 2.74 | 0.50 | 1.13 | 0.20 | 992 | 179.71 | 2.33 | 0.42 |
| n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Mean | 538.3 | 3.245 | 0.606 | 1.313 | 0.245 | 712.3 | 132.798 | 2.140 | 0.399 |
| S.D. | 35.0 | 0.313 | 0.083 | 0.108 | 0.026 | 155.0 | 29.372 | 0.259 | 0.053 |

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

| Organ weight Sex : Male | | Stage : Day 43 Dose : m-ethylphenol 100 mg/kg | | | | | | Species : Rat | |
|----------------------------|---------------------|--|--------------|------------|--------------|----------|---------------|--------------------|--------------|
| Animal No. | Body weight g | Testis | | Epididymis | | Prostate | | Seminal vesicle | |
| | | AB g | RE g/100g | AB g | RE g/100g | AB mg | RE mg/100g | AB g | RE g/100g |
| 10201 | 502 | 3.30 | 0.66 | 1.43 | 0.28 | 601 | 119.72 | 2.42 | 0.48 |
| 10202 | 568 | 3.20 | 0.56 | 1.35 | 0.24 | 712 | 125.35 | 2.42 | 0.43 |
| 10203 | 581 | 3.04 | 0.52 | 1.36 | 0.23 | 500 | 86.06 | 1.60 | 0.28 |
| 10204 | 480 | 3.65 | 0.76 | 1.54 | 0.32 | 651 | 135.63 | 1.89 | 0.39 |
| 10205 | 527 | 2.89 | 0.55 | 1.42 | 0.27 | 670 | 127.13 | 2.21 | 0.42 |
| 10206 | 559 | 3.23 | 0.58 | 1.43 | 0.26 | 570 | 101.97 | 2.56 | 0.46 |
| 10207 | 612 | 3.06 | 0.50 | 1.04 | 0.17 | 621 | 101.47 | 2.09 | 0.34 |
| 10208 | 538 | 2.98 | 0.55 | 1.39 | 0.26 | 360 | 66.91 | 1.78 | 0.33 |
| 10209 | 525 | 3.14 | 0.60 | 1.53 | 0.29 | 791 | 150.67 | 1.89 | 0.36 |
| 10210 | 604 | 2.59 | 0.43 | 1.32 | 0.22 | 984 | 162.91 | 2.08 | 0.34 |
| 10211 | 449 | 2.93 | 0.65 | 1.29 | 0.29 | 580 | 129.18 | 1.99 | 0.44 |
| 10212 | 551 | 3.68 | 0.67 | 1.58 | 0.29 | 607 | 110.16 | 2.30 | 0.42 |
| n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Mean | 541.3 | 3.141 | 0.586 | 1.390 | 0.260 | 637.3 | 118.097 | 2.103 | 0.391 |
| S.D. | 48.6 | 0.307 | 0.089 | 0.142 | 0.040 | 152.8 | 26.769 | 0.289 | 0.061 |

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

| Organ weight Sex : Male | | Stage : Day 43 Dose : m-ethylphenol 300 mg/kg | | | | | | Species : Rat | |
|----------------------------|---------------------|--|--------------|------------|--------------|----------|---------------|--------------------|--------------|
| Animal No. | Body weight g | Testis | | Epididymis | | Prostate | | Seminal vesicle | |
| | | AB g | RE g/100g | AB g | RE g/100g | AB mg | RE mg/100g | AB g | RE g/100g |
| 10301 | 529 | 3.30 | 0.62 | 1.38 | 0.26 | 1078 | 203.78 | 2.27 | 0.43 |
| 10302 | 558 | 3.31 | 0.59 | 1.52 | 0.27 | 879 | 157.53 | 2.02 | 0.36 |
| 10303 | 473 | 3.10 | 0.66 | 1.15 | 0.24 | 497 | 105.07 | 1.74 | 0.37 |
| 10304 | 519 | 3.36 | 0.65 | 1.36 | 0.26 | 514 | 99.04 | 2.71 | 0.52 |
| 10305 | 571 | 3.85 | 0.67 | 1.55 | 0.27 | 630 | 110.33 | 1.92 | 0.34 |
| 10306 | 505 | 3.41 | 0.68 | 1.33 | 0.26 | 668 | 132.28 | 2.02 | 0.40 |
| 10307 | 535 | 3.41 | 0.64 | 1.48 | 0.28 | 748 | 139.81 | 2.51 | 0.47 |
| 10308 | 438 | 3.56 | 0.81 | 1.35 | 0.31 | 629 | 143.61 | 2.01 | 0.46 |
| 10309 | 526 | 3.31 | 0.63 | 1.43 | 0.27 | 641 | 121.86 | 1.93 | 0.37 |
| 10310 | 546 | 3.38 | 0.62 | 1.36 | 0.25 | 634 | 116.12 | 1.95 | 0.36 |
| 10311 | 524 | 3.72 | 0.71 | 1.49 | 0.28 | 797 | 152.10 | 2.42 | 0.46 |
| 10312 | 508 | 3.42 | 0.67 | 1.32 | 0.26 | 671 | 132.09 | 2.40 | 0.47 |
| n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Mean | 519.3 | 3.428 | 0.663 | 1.393 | 0.268 | 698.8 | 134.468 | 2.158 | 0.418 |
| S.D. | 36.2 | 0.200 | 0.056 | 0.109 | 0.018 | 160.1 | 28.552 | 0.295 | 0.058 |

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

| Animal No. | Body weight g | Species : Rat | | | | | | | |
|------------|------------------|---------------|--------------|------------|--------------|----------|---------------|-----------------|--------------|
| | | Testis | | Epididymis | | Prostate | | Seminal vesicle | |
| | | AB g | RE g/100g | AB g | RE g/100g | AB mg | RE mg/100g | AB g | RE g/100g |
| 10401 | 489 | 3.42 | 0.70 | 1.42 | 0.29 | 820 | 167.69 | 2.47 | 0.51 |
| 10402 | 452 | 3.18 | 0.70 | 1.19 | 0.26 | 711 | 157.30 | 2.10 | 0.46 |
| 10403 | 465 | 2.95 | 0.63 | 1.38 | 0.30 | 659 | 141.72 | 2.32 | 0.50 |
| 10404 | 501 | 3.52 | 0.70 | 1.33 | 0.27 | 790 | 157.68 | 2.39 | 0.48 |
| 10405 | 487 | 3.15 | 0.65 | 1.37 | 0.28 | 571 | 117.25 | 2.30 | 0.47 |
| 10406 | 500 | 3.00 | 0.60 | 1.25 | 0.25 | 688 | 137.60 | 1.83 | 0.37 |
| 10407 | 439 | 3.39 | 0.77 | 1.45 | 0.33 | 808 | 184.05 | 2.74 | 0.62 |
| 10408 | 525 | 3.86 | 0.74 | 1.54 | 0.29 | 924 | 176.00 | 2.04 | 0.39 |
| 10409 | 437 | 3.71 | 0.85 | 1.34 | 0.31 | 457 | 104.58 | 2.42 | 0.55 |
| 10410 | 458 | 3.82 | 0.83 | 1.32 | 0.29 | 653 | 142.58 | 2.25 | 0.49 |
| 10411 | 492 | 3.00 | 0.61 | 1.21 | 0.25 | 704 | 143.09 | 1.93 | 0.39 |
| 10412 | 468 | 3.13 | 0.67 | 1.49 | 0.32 | 732 | 156.41 | 2.01 | 0.43 |
| n | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Mean | 476.1 | 3.344 | 0.704 | 1.358 | 0.287 | 709.8 | 148.829 | 2.233 | 0.472 |
| S.D. | 27.2 | 0.326 | 0.081 | 0.108 | 0.026 | 122.1 | 22.855 | 0.260 | 0.072 |

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

| Organ weight Sex : Female | | Stage : Unsuccessful mating (Day 52) Dose : m-ethylphenol 100 mg/kg | | | Species : Rat |
|------------------------------|---------------------|--|---------------|--|---------------|
| Animal No. | Body weight g | Ovary | | | |
| | | AB mg | RE mg/100g | | |
| 50253 | 361 | 95 | 26.32 | | |
| n | 1 | 1 | 1 | | |
| Mean | 361.0 | 95.0 | 26.320 | | |
| S.D. | | | | | |

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

| Organ weight Sex : Female | | Stage : Unsuccessful mating (Day 52) Dose : m-ethylphenol 1000 mg/kg | | | Species : Rat |
|------------------------------|---------------------|---|---------------|--|---------------|
| Animal No. | Body weight g | Ovary | | | |
| | | AB mg | RE mg/100g | | |
| 50454 | 350 | 126 | 36.00 | | |
| n | 1 | 1 | 1 | | |
| Mean | 350.0 | 126.0 | 36.000 | | |
| S.D. | | | | | |

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

| Organ weight Sex : Female | | Stage : Lactation day 4 Dose : m-ethylphenol 0 mg/kg | | Species : Rat |
|------------------------------|---------------------|---|---------------|---------------|
| Animal No. | Body weight g | Ovary | | |
| | | AB mg | RE mg/100g | |
| 50151 | 396 | 152 | 38.38 | |
| 50152 | 370 | 102 | 27.57 | |
| 50153 | 361 | 111 | 30.75 | |
| 50154 | 345 | 123 | 35.65 | |
| 50155 | 352 | 92 | 26.14 | |
| 50156 | 345 | 109 | 31.59 | |
| 50157 | 358 | 123 | 34.36 | |
| 50158 | 322 | 85 | 26.40 | |
| 50159 | 348 | 110 | 31.61 | |
| 50160 | 373 | 109 | 29.22 | |
| 50161 | 350 | 116 | 33.14 | |
| 50162 | 347 | 101 | 29.11 | |
| n | 12 | 12 | 12 | |
| Mean | 355.6 | 111.1 | 31.160 | |
| S.D. | 18.4 | 17.1 | 3.762 | |

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

| Organ weight Sex : Female | | Stage : Lactation day 4 Dose : m-ethylphenol 100 mg/kg | | Species : Rat |
|------------------------------|---------------------|---|---------------|---------------|
| Animal No. | Body weight g | Ovary | | |
| | | AB mg | RE mg/100g | |
| 50251 | 332 | 95 | 28.61 | |
| 50252 | 293 \$ | 131 \$ | 44.71 \$ | |
| 50254 | 370 | 151 | 40.81 | |
| 50255 | 364 | 100 | 27.47 | |
| 50256 | 353 | 125 | 35.41 | |
| 50257 | 375 | 102 | 27.20 | |
| 50258 | 371 | 118 | 31.81 | |
| 50259 | 393 | 126 | 32.06 | |
| 50260 | 352 | 99 | 28.13 | |
| 50261 | 300 \$ | 129 \$ | 43.00 \$ | |
| 50262 | 372 | 112 | 30.11 | |
| n | 9 | 9 | 9 | |
| Mean | 364.7 | 114.2 | 31.290 | |
| S.D. | 17.3 | 18.0 | 4.449 | |

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

\$: Excepted data from calculation

| Organ weight Sex : Female | | Stage : Lactation day 4 Dose : m-ethylphenol 300 mg/kg | | Species : Rat |
|------------------------------|---------------------|---|---------------|---------------|
| Animal No. | Body weight g | Ovary | | |
| | | AB mg | RE mg/100g | |
| 50351 | 348 | 121 | 34.77 | |
| 50352 | 405 | 91 | 22.47 | |
| 50353 | 311 \$ | 89 \$ | 28.62 \$ | |
| 50354 | 333 | 108 | 32.43 | |
| 50355 | 319 | 113 | 35.42 | |
| 50356 | 335 | 127 | 37.91 | |
| 50357 | 360 | 133 | 36.94 | |
| 50358 | 372 | 113 | 30.38 | |
| 50359 | 296 | 102 | 34.46 | |
| 50360 | 340 | 108 | 31.76 | |
| 50361 | 321 | 120 | 37.38 | |
| 50362 | 357 | 106 | 29.69 | |
| n | 11 | 11 | 11 | |
| Mean | 344.2 | 112.9 | 33.055 | |
| S.D. | 29.4 | 11.9 | 4.477 | |

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

\$: Excepted data from calculation

| Organ weight Sex : Female | | Stage : Lactation day 4 Dose : m-ethylphenol 1000 mg/kg | | Species : Rat |
|------------------------------|---------------------|--|---------------|---------------|
| Animal No. | Body weight g | Ovary | | |
| | | AB mg | RE mg/100g | |
| 50451 | 325 | 111 | 34.15 | |
| 50452 | 312 | 120 | 38.46 | |
| 50453 | 310 | 115 | 37.10 | |
| 50455 | 301 | 131 | 43.52 | |
| 50456 | 342 | 130 | 38.01 | |
| 50457 | 256 \$ | 141 \$ | 55.08 \$ | |
| 50458 | 345 | 105 | 30.43 | |
| 50459 | 294 | 106 | 36.05 | |
| 50460 | 345 | 120 | 34.78 | |
| 50461 | 351 | 117 | 33.33 | |
| 50462 | 336 | 110 | 32.74 | |
| n | 10 | 10 | 10 | |
| Mean | 326.1 | 116.5 | 35.857 | |
| S.D. | 20.6 | 9.0 | 3.672 | |

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

\$: Excepted data from calculation

| Histopathological findings | | | Stage : Day 43 | Species : Rat |
|------------------------------|--|--------------------|----------------|---------------|
| Sex : Male | | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10101 | | |
| Prostate | | | | |
| Findings : Finding present | | | | |
| Inflammation | | | | |
| Slight | | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10102 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10103 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10104 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10105 | | |
| Testis | | | | |
| Findings : Finding present | | | | |
| Atrophy, seminiferous tubule | | | | |
| Slight | | | | |
| Epididymis | | | | |
| Findings : Finding present | | | | |
| Cell debris, lumen | | | | |
| Slight | | | | |
| Prostate | | | | |
| Findings : Finding present | | | | |
| Inflammation | | | | |
| Slight | | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10106 | | |
| Prostate | | | | |
| Findings : Finding present | | | | |
| Inflammation | | | | |
| Slight | | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10107 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10108 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | | | |

| Histopathological findings | | | Stage : Day 43 | Species : Rat |
|------------------------------|--|--------------------|----------------|---------------|
| Sex : Male | | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10109 | | |
| Testis | | | | |
| Findings : Finding present | | | | |
| Atrophy, seminiferous tubule | | | | |
| Mild | | | | |
| Epididymis | | | | |
| Findings : Finding present | | | | |
| Cell debris, lumen | | | | |
| Slight | | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Prostate, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10110 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10111 | | |
| Prostate | | | | |
| Findings : Finding present | | | | |
| Inflammation | | | | |
| Slight | | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 10112 | | |
| Testis | | | | |
| Findings : Finding present | | | | |
| Atrophy, seminiferous tubule | | | | |
| Slight | | | | |
| Epididymis | | | | |
| Findings : Finding present | | | | |
| Cell debris, lumen | | | | |
| Slight | | | | |
| Prostate | | | | |
| Findings : Finding present | | | | |
| Inflammation | | | | |
| Slight | | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Seminal vesicle, Coagulating gland | | | |

| Histopathological findings | | | Sex : Male | Stage : Day 43 | Species : Rat |
|------------------------------|--|--------------------|---------------------|----------------|---------------|
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10201 | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10202 | Infertility | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10203 | Unsuccessful mating | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10204 | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10205 | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10206 | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10207 | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10208 | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10209 | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10210 | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10211 | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 10212 | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | | |

| Histopathological findings | | |
|--|----------------|---------------|
| Sex : Male | Stage : Day 43 | Species : Rat |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10301 | | |
| Finding absent : Forestomach, Stomach, limiting ridge | | |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10302 | | |
| Finding absent : Forestomach, Stomach, limiting ridge | | |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10303 Infertility | | |
| Finding absent : Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | | |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10304 | | |
| Finding absent : Forestomach, Stomach, limiting ridge | | |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10305 | | |
| Finding absent : Forestomach, Stomach, limiting ridge | | |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10306 | | |
| Finding absent : Forestomach, Stomach, limiting ridge | | |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10307 | | |
| Finding absent : Forestomach, Stomach, limiting ridge | | |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10308 | | |
| Finding absent : Forestomach, Stomach, limiting ridge | | |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10309 | | |
| Finding absent : Forestomach, Stomach, limiting ridge | | |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10310 | | |
| Finding absent : Forestomach, Stomach, limiting ridge | | |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10311 | | |
| Finding absent : Forestomach, Stomach, limiting ridge | | |
| Test article : m-ethylphenol Dose : 300 mg/kg Animal No. : 10312 | | |
| Finding absent : Forestomach, Stomach, limiting ridge | | |

| Histopathological findings | | Species : Rat |
|------------------------------|--|---------------------|
| Sex : Male | Stage : Day 43 | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10401 |
| Stomach, limiting ridge | | |
| Findings : Finding present | | |
| Hyperkeratosis | | |
| Slight | | |
| Hyperplasia, squamous cell | | |
| Slight | | |
| Prostate | | |
| Findings : Finding present | | |
| Inflammation | | |
| Slight | | |
| Finding absent : | Forestomach, Testis, Epididymis, Seminal vesicle, Coagulating gland | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10402 |
| Forestomach | | |
| Findings : Finding present | | |
| Hyperkeratosis | | |
| Slight | | |
| Testis | | |
| Findings : Finding present | | |
| Atrophy, seminiferous tubule | | |
| Slight | | |
| Finding absent : | Stomach, limiting ridge, Epididymis, Prostate, Seminal vesicle, Coagulating gland | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10403 |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10404 |
| Forestomach | | Unsuccessful mating |
| Findings : Finding present | | |
| Hyperkeratosis | | |
| Slight | | |
| Testis | | |
| Findings : Finding present | | |
| Atrophy, seminiferous tubule | | |
| Slight | | |
| Finding absent : | Stomach, limiting ridge, Epididymis, Prostate, Seminal vesicle, Coagulating gland | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10405 |
| Upper incisor | | |
| Findings : Finding present | | |
| Inflammation, gingiva | | |
| Slight | | |
| Finding Comment : left | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | |

| Histopathological findings | | | Stage : Day 43 | Species : Rat |
|------------------------------|---|--------------------|----------------|---------------|
| Sex : Male | | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10406 | | |
| Testis | | | | |
| Findings : Finding present | | | | |
| Atrophy, seminiferous tubule | | | | |
| Slight | | | | |
| Epididymis | | | | |
| Findings : Finding present | | | | |
| Cell debris, lumen | | | | |
| Slight | | | | |
| Prostate | | | | |
| Findings : Finding present | | | | |
| Inflammation | | | | |
| Slight | | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10407 | | |
| Forestomach | | | | |
| Findings : Finding present | | | | |
| Hyperkeratosis | | | | |
| Slight | | | | |
| Stomach, limiting ridge | | | | |
| Findings : Finding present | | | | |
| Hyperkeratosis | | | | |
| Slight | | | | |
| Epididymis | | | | |
| Findings : Finding present | | | | |
| Granuloma, spermatic | | | | |
| Slight | | | | |
| Finding absent : | Testis, Prostate, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10408 | | |
| Stomach, limiting ridge | | | | |
| Findings : Finding present | | | | |
| Hyperkeratosis | | | | |
| Slight | | | | |
| Finding absent : | Forestomach, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10409 | | |
| Stomach, limiting ridge | | | | |
| Findings : Finding present | | | | |
| Hyperkeratosis | | | | |
| Slight | | | | |
| Finding absent : | Forestomach, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | | | |

| Histopathological findings | | |
|------------------------------|--|--------------------|
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10410 |
| Sex : Male | Stage : Day 43 | Species : Rat |
| Forestomach | | |
| Findings : Finding present | | |
| Hyperkeratosis | | |
| Slight | | |
| Stomach, limiting ridge | | |
| Findings : Finding present | | |
| Hyperkeratosis | | |
| Slight | | |
| Finding absent : | Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10411 |
| Stomach, limiting ridge | | |
| Findings : Finding present | | |
| Hyperkeratosis | | |
| Slight | | |
| Finding absent : | Forestomach, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 10412 |
| Finding absent : | Forestomach, Stomach, limiting ridge, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland | |

| Histopathological findings | | | Stage : Lactation day 4 | Species : Rat |
|------------------------------|---|--------------------|-------------------------|---------------|
| Sex : Female | | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50151 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50152 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50153 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50154 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50155 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50156 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50157 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50158 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50159 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50160 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50161 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 0 mg/kg | Animal No. : 50162 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |

| Histopathological findings | | | Stage : Lactation day 4 | Species : Rat |
|------------------------------|---|--------------------|-------------------------|---------------|
| Sex : Female | | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50251 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50252 | Non-pregnancy | |
| Uterine horn | | | | |
| Findings : | Finding present | | | |
| Dilatation, lumen | | | | |
| Slight | | | | |
| Finding Comment : | left | | | |
| Vagina | | | | |
| Findings : | Finding present | | | |
| Septum | | | | |
| Mild | | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine cervix | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50253 | Unsuccessful mating | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50254 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50255 | | |
| Spleen | | | | |
| Findings : | Finding present | | | |
| Capsulitis | | | | |
| Slight | | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50256 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50257 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50258 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50259 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50260 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50261 | Total litter loss | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 100 mg/kg | Animal No. : 50262 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |

| Histopathological findings | | | Stage : Lactation day 4 | Species : Rat |
|------------------------------|---|--------------------|-------------------------|---------------|
| Sex : Female | | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50351 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50352 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50353 | Non-pregnancy | |
| Vagina | | | | |
| Findings : Finding present | | | | |
| Septum | | | | |
| Mild | | | | |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50354 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50355 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50356 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50357 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50358 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50359 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50360 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50361 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |
| Test article : m-ethylphenol | Dose : 300 mg/kg | Animal No. : 50362 | | |
| Finding absent : | Forestomach, Stomach, limiting ridge | | | |

| Histopathological findings | | | |
|----------------------------|---|--------------|---------------------|
| Test article : | Dose : | Animal No. : | Species : |
| m-ethylphenol | 1000 mg/kg | 50451 | Rat |
| Finding absent : | Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | |
| Test article : | m-ethylphenol | 1000 mg/kg | 50452 |
| Stomach, limiting ridge | | | |
| Findings : | Finding present | | |
| Hyperkeratosis | | | |
| Slight | | | |
| Finding absent : | Forestomach, Ovary, Uterine horn, Uterine cervix, Vagina | | |
| Test article : | m-ethylphenol | 1000 mg/kg | 50453 |
| Forestomach | | | |
| Findings : | Finding present | | |
| Hyperkeratosis | | | |
| Slight | | | |
| Finding absent : | Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | |
| Test article : | m-ethylphenol | 1000 mg/kg | 50454 |
| Forestomach | | | Unsuccessful mating |
| Findings : | Finding present | | |
| Hyperkeratosis | | | |
| Slight | | | |
| Stomach, limiting ridge | | | |
| Findings : | Finding present | | |
| Hyperplasia, squamous cell | | | |
| Slight | | | |
| Finding absent : | Ovary, Uterine horn, Uterine cervix, Vagina | | |
| Test article : | m-ethylphenol | 1000 mg/kg | 50455 |
| Forestomach | | | |
| Findings : | Finding present | | |
| Hyperkeratosis | | | |
| Slight | | | |
| Hyperplasia, squamous cell | | | |
| Slight | | | |
| Finding absent : | Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | |
| Test article : | m-ethylphenol | 1000 mg/kg | 50456 |
| Forestomach | | | |
| Findings : | Finding present | | |
| Hyperkeratosis | | | |
| Mild | | | |
| Hyperplasia, squamous cell | | | |
| Slight | | | |
| Finding absent : | Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | |

| Histopathological findings | | | |
|--|-------------------|--------------------|-------------------------|
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 50457 | Stage : Lactation day 4 |
| Species : Rat | | | |
| Forestomach | | | |
| Findings : Finding present | | | |
| Hyperkeratosis | | | |
| Mild | | | |
| Hyperplasia, squamous cell | | | |
| Slight | | | |
| Finding absent : Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 50458 | |
| Stomach, limiting ridge | | | |
| Findings : Finding present | | | |
| Hyperkeratosis | | | |
| Slight | | | |
| Finding absent : Forestomach, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 50459 | |
| Finding absent : Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 50460 | |
| Finding absent : Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 50461 | |
| Finding absent : Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |
| Test article : m-ethylphenol | Dose : 1000 mg/kg | Animal No. : 50462 | |
| Finding absent : Forestomach, Stomach, limiting ridge, Ovary, Uterine horn, Uterine cervix, Vagina | | | |

| Animal No. | Estrus cycles and copulation Generation : F0 /Before mating (day) | | | | | | | | | | | | | | Dose : m-ethylphenol 0 mg/kg | | | Species : Rat | | |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|-----------------------------------|---|---|---------------|---------------------|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | Length of estrous cycle (days) | | | Mean | Number of estrus | Animal with acyclic or irregular cycle |
| | E | M | D | P | E | M | D | P | E | M | D | D | D | E | 4 | 4 | 5 | | | |
| 50151 | | | | | | | | | | | | | | | | | | 4.3 | 4 | - |
| 50152 | M | D | P | E | M | D | D | E | M | D | D | E | M | D | 4 | 4 | | 4.0 | 3 | - |
| 50153 | P | E | M | D | D | E | E | M | D | D | E | M | D | D | 4 | 5 | | 4.5 | 3 | - |
| 50154 | M | D | P | E | M | D | D | E | M | D | D | E | M | D | 4 | 4 | | 4.0 | 3 | - |
| 50155 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50156 | E | M | D | P | E | M | D | P | E | M | D | P | E | M | 4 | 4 | 4 | 4.0 | 4 | - |
| 50157 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50158 | M | D | P | E | M | D | P | E | M | D | P | E | M | D | 4 | 4 | | 4.0 | 3 | - |
| 50159 | D | P | E | M | D | P | E | M | D | P | E | M | D | P | 4 | 4 | | 4.0 | 3 | - |
| 50160 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50161 | E | M | D | P | E | M | D | P | E | M | D | P | E | M | 4 | 4 | 4 | 4.0 | 4 | - |
| 50162 | P | E | M | D | D | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |

P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus, - : Smear was not sampled or missing value

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

| Animal No. | Estrus cycles and copulation Generation : F0 /Before mating (day) | | | | | | | | | | | | | | Dose : m-ethylphenol 100 mg/kg | | | Species : Rat | | |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|-----------------------------------|---|------|---------------------|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | Length of estrous cycle (days) | | Mean | Number of estrus | Animal with acyclic or irregular cycle | |
| | M | D | P | E | M | D | P | E | M | D | P | E | M | D | 4 | 4 | | | | |
| 50251 | | | | | | | | | | | | | | | | | 4.0 | 3 | - | |
| 50252 | P | E | M | D | P | E | M | D | P | E | M | D | D | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50253 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50254 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50255 | D | P | E | M | D | P | E | M | D | D | E | M | D | D | 4 | 4 | | 4.0 | 3 | - |
| 50256 | E | M | D | P | E | M | D | P | E | M | D | P | E | M | 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 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50259 | D | P | E | M | D | D | P | E | M | D | D | E | M | D | 5 | 4 | | 4.5 | 3 | - |
| 50260 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50261 | D | P | E | M | D | P | E | M | D | P | E | M | D | P | 4 | 4 | | 4.0 | 3 | - |
| 50262 | P | E | M | D | D | E | M | D | P | E | M | D | D | E | 4 | 4 | 4 | 4.0 | 4 | - |

P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus, - : Smear was not sampled or missing value

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

| Animal No. | Estrus cycles and copulation Generation : F0 /Before mating (day) | | | | | | | | | | | | | | Dose : m-ethylphenol 300 mg/kg | | | Species : Rat | | |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|-----------------------------------|---|---|---------------|---------------------|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | Length of estrous cycle (days) | | | Mean | Number of estrus | Animal with acyclic or irregular cycle |
| | P | E | M | D | D | E | M | D | D | E | M | D | P | E | 4 | 4 | 4 | | | |
| 50351 | | | | | | | | | | | | | | | | | | 4.0 | 4 | - |
| 50352 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50353 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50354 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50355 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50356 | M | D | P | E | M | D | P | E | M | D | P | E | M | D | 4 | 4 | | 4.0 | 3 | - |
| 50357 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50358 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50359 | P | E | M | D | P | E | M | D | P | E | 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 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |
| 50362 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4 | 4.0 | 4 | - |

P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus, - : Smear was not sampled or missing value

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

| Animal No. | Estrus cycles and copulation Generation : F0 /Before mating (day) | | | | | | | | | | | | | | Dose : m-ethylphenol 1000 mg/kg | | Species : Rat | | |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|-----------------------------------|---|---------------|---------------------|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | Length of estrous cycle (days) | | Mean | Number of estrus | Animal with acyclic or irregular cycle |
| | D | P | E | E | M | D | P | E | M | D | D | E | M | D | 5 | 4 | | | |
| 50451 | | | | | | | | | | | | | | | | | 4.5 | 3 | - |
| 50452 | P | E | M | D | D | E | E | M | D | D | E | E | M | D | 4 | 5 | 4.5 | 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 | D | E | M | D | P | E | M | D | D | E | 4 | 4 | 4.0 | 4 | - |
| 50455 | P | E | M | D | D | P | E | M | D | D | E | E | M | D | 5 | 4 | 4.5 | 3 | - |
| 50456 | P | E | M | D | P | E | M | P | E | M | D | D | P | E | 4 | 3 | 4.0 | 4 | - |
| 50457 | P | E | M | D | P | E | M | D | D | D | P | E | M | P | 4 | 6 | 5.0 | 3 | - |
| 50458 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4.0 | 4 | - |
| 50459 | M | D | P | P | E | M | D | D | E | M | D | P | E | M | 4 | 4 | 4.0 | 3 | - |
| 50460 | P | E | M | D | P | E | M | D | P | E | M | D | P | E | 4 | 4 | 4.0 | 4 | - |
| 50461 | P | E | M | D | P | E | M | D | P | E | E | M | D | D | 4 | 4 | 4.0 | 3 | - |
| 50462 | 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, - : Smear was not sampled or missing value

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

| Animal No. | Estrus cycles and copulation | | | | | | | | | | | | | | Species : Rat | |
|-----------------------------------|------------------------------|---|---|---|---|---|---|------------------------------|--|--|--|--|--|------|---------------------|--|
| | Generation : F0 | | | | | | | Dose : m-ethylphenol 0 mg/kg | | | | | | | | |
| | /1st mating (times) | | | | | | | | | | | | | | | |
| Length of estrous cycle (days) | | | | | | | | | | | | | | Mean | Number of estrus | |
| 50151 | M | D | P | E | N | N | N | Y | | | | | | | | |
| 50152 | D | E | | | N | Y | | | | | | | | 1 | 1 | |
| 50153 | D | P | E | | N | N | Y | | | | | | | 1 | 1 | |
| 50154 | P | E | | | N | Y | | | | | | | | 1 | 1 | |
| 50155 | M | D | D | E | N | N | N | Y | | | | | | 1 | 1 | |
| 50156 | D | P | E | | N | N | Y | | | | | | | 1 | 1 | |
| 50157 | M | D | P | E | N | N | N | Y | | | | | | 1 | 1 | |
| 50158 | P | E | | | N | Y | | | | | | | | 1 | 1 | |
| 50159 | E | | | | Y | | | | | | | | | 1 | 1 | |
| 50160 | M | D | P | E | N | N | N | Y | | | | | | 1 | 1 | |
| 50161 | D | P | E | | N | N | Y | | | | | | | 1 | 1 | |
| 50162 | M | D | P | E | N | N | N | Y | | | | | | 1 | 1 | |

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus, - : Smear was not sampled or missing value

Lower / Y : Completion in copulation, N : Incompletion in copulation, - : Smear was not sampled or missing value

| Animal No. | Estrus cycles and copulation | | | | | | | | | | | | | | Species : Rat | | | | | |
|------------|------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|-----------------------------------|--|------|---------------------|--|--|
| | Generation : F0 | | | | | | | | | | | | | | | | | | | |
| | /1st mating (times) | | | | | | | | | | | | | | | | | | | |
| Animal No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | Length of estrous cycle (days) | | Mean | Number of estrus | | |
| 50251 | P | E | | | | | | | | | | | | | | | | | | |
| | N | Y | | | | | | | | | | | | | | | | | | |
| 50252 | E | | | | | | | | | | | | | | | | | | | |
| | Y | | | | | | | | | | | | | | | | | | | |
| 50253 | M | D | D | D | D | D | D | D | D | D | D | D | D | P | | | | | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | | | | |
| 50254 | M | D | D | E | | | | | | | | | | | | | | | | |
| | N | N | N | Y | | | | | | | | | | | | | | | | |
| 50255 | E | | | | | | | | | | | | | | | | | | | |
| | Y | | | | | | | | | | | | | | | | | | | |
| 50256 | D | P | E | | | | | | | | | | | | | | | | | |
| | N | N | Y | | | | | | | | | | | | | | | | | |
| 50257 | E | | | | | | | | | | | | | | | | | | | |
| | Y | | | | | | | | | | | | | | | | | | | |
| 50258 | M | D | D | D | D | D | D | D | D | D | D | D | E | | | | | | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | Y | | | | | | | |
| 50259 | D | D | P | E | | | | | | | | | | | | | | | | |
| | N | N | N | Y | | | | | | | | | | | | | | | | |
| 50260 | M | D | P | E | | | | | | | | | | | | | | | | |
| | N | N | N | Y | | | | | | | | | | | | | | | | |
| 50261 | E | | | | | | | | | | | | | | | | | | | |
| | Y | | | | | | | | | | | | | | | | | | | |
| 50262 | M | D | D | E | | | | | | | | | | | | | | | | |
| | N | N | N | Y | | | | | | | | | | | | | | | | |

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus, - : Smear was not sampled or missing value

Lower / Y : Completion in copulation, N : Incompletion in copulation, - : Smear was not sampled or missing value

| Animal No. | Estrus cycles and copulation | | | | | | | | | | | | | | Species : Rat | | |
|------------|------------------------------|---|---|---|--------------------------------|---|---|---|---|----|----|----|----|----|-----------------------------------|------|---------------------|
| | Generation : F0 | | | | Dose : m-ethylphenol 300 mg/kg | | | | | | | | | | | | |
| | /1st mating (times) | | | | | | | | | | | | | | | | |
| Animal No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | Length of estrous cycle (days) | Mean | Number of estrus |
| 50351 | M | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50352 | M | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50353 | E | | | | | | | | | | | | | | | 1 | |
| | Y | | | | | | | | | | | | | | | | |
| 50354 | M | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50355 | M | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50356 | D | E | | | | | | | | | | | | | | 1 | |
| | N | Y | | | | | | | | | | | | | | | |
| 50357 | M | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50358 | M | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50359 | E | | | | | | | | | | | | | | | 1 | |
| | Y | | | | | | | | | | | | | | | | |
| 50360 | M | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50361 | M | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50362 | M | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus, - : Smear was not sampled or missing value

Lower / Y : Completion in copulation, N : Incompletion in copulation, - : Smear was not sampled or missing value

| Animal No. | Estrus cycles and copulation | | | | | | | | | | | | | | Species : Rat | | |
|------------|------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|-----------------------------------|------|---------------------|
| | Generation : F0 | | | | | | | | | | | | | | | | |
| | /1st mating (times) | | | | | | | | | | | | | | | | |
| Animal No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | Length of estrous cycle (days) | Mean | Number of estrus |
| 50451 | D | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50452 | P | E | | | | | | | | | | | | | | 1 | |
| | N | Y | | | | | | | | | | | | | | | |
| 50453 | E | | | | | | | | | | | | | | | 1 | |
| | Y | | | | | | | | | | | | | | | | |
| 50454 | M | D | D | D | D | D | D | D | D | D | D | D | D | D | | 0 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | |
| 50455 | D | P | E | | | | | | | | | | | | | 1 | |
| | N | N | Y | | | | | | | | | | | | | | |
| 50456 | M | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50457 | E | | | | | | | | | | | | | | | 1 | |
| | Y | | | | | | | | | | | | | | | | |
| 50458 | M | D | P | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50459 | D | P | E | | | | | | | | | | | | | 1 | |
| | N | N | Y | | | | | | | | | | | | | | |
| 50460 | M | D | D | E | | | | | | | | | | | | 1 | |
| | N | N | N | Y | | | | | | | | | | | | | |
| 50461 | P | E | | | | | | | | | | | | | | 1 | |
| | N | Y | | | | | | | | | | | | | | | |
| 50462 | E | | | | | | | | | | | | | | | 1 | |
| | Y | | | | | | | | | | | | | | | | |

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus, - : Smear was not sampled or missing value

Lower / Y : Completion in copulation, N : Incompletion in copulation, - : Smear was not sampled or missing value

| Reproductive performance | | Dose : m-ethylphenol 0 mg/kg | | | | | | Species : Rat | |
|--------------------------|-------------------|------------------------------|------------|-----------|---------------|------------|-----------|---------------|-----------|
| Generation : F0 | Sex : Male | 1st mating | | | 2nd mating | | | Total | |
| Animal No. | Day of conceiving | Paired animal | Copulation | Fertility | Paired animal | Copulation | Fertility | Copulation | Fertility |
| 10101 | 4 | 50151 | + | + | /// | /// | /// | + | + |
| 10102 | 2 | 50152 | + | + | /// | /// | /// | + | + |
| 10103 | 3 | 50153 | + | + | /// | /// | /// | + | + |
| 10104 | 2 | 50154 | + | + | /// | /// | /// | + | + |
| 10105 | 4 | 50155 | + | + | /// | /// | /// | + | + |
| 10106 | 3 | 50156 | + | + | /// | /// | /// | + | + |
| 10107 | 4 | 50157 | + | + | /// | /// | /// | + | + |
| 10108 | 2 | 50158 | + | + | /// | /// | /// | + | + |
| 10109 | 1 | 50159 | + | + | /// | /// | /// | + | + |
| 10110 | 4 | 50160 | + | + | /// | /// | /// | + | + |
| 10111 | 3 | 50161 | + | + | /// | /// | /// | + | + |
| 10112 | 4 | 50162 | + | + | /// | /// | /// | + | + |
| n | 12 | | 12 | 12 | | 0 | 0 | 12 | 12 |
| Mean | 3.0 | | | | | | | | |
| S.D. | 1.0 | | | | | | | | |
| No. of positives | | 12 | 12 | | | | | 12 | 12 |
| % | | 100.0 | 100.0 | | | | | 100.0 | 100.0 |

/// : No need to input/measure

| Reproductive performance | | Dose : m-ethylphenol 100 mg/kg | | | Species : Rat | | | | |
|--------------------------|-------------------|--------------------------------|------------|-----------|---------------|------------|-----------|------------|-----------|
| Generation : F0 | Sex : Male | 1st mating | | | 2nd mating | | | Total | |
| Animal No. | Day of conceiving | Paired animal | Copulation | Fertility | Paired animal | Copulation | Fertility | Copulation | Fertility |
| 10201 | 2 | 50251 | + | + | /// | /// | /// | + | + |
| 10202 | 1 | 50252 | + | - | /// | /// | /// | + | - |
| 10203 | - | 50253 | - | /// | /// | /// | /// | - | /// |
| 10204 | 4 | 50254 | + | + | /// | /// | /// | + | + |
| 10205 | 1 | 50255 | + | + | /// | /// | /// | + | + |
| 10206 | 3 | 50256 | + | + | /// | /// | /// | + | + |
| 10207 | 1 | 50257 | + | + | /// | /// | /// | + | + |
| 10208 | 13 | 50258 | + | + | /// | /// | /// | + | + |
| 10209 | 4 | 50259 | + | + | /// | /// | /// | + | + |
| 10210 | 4 | 50260 | + | + | /// | /// | /// | + | + |
| 10211 | 1 | 50261 | + | + | /// | /// | /// | + | + |
| 10212 | 4 | 50262 | + | + | /// | /// | /// | + | + |
| n | 11 | | 12 | 11 | | 0 | 0 | 12 | 11 |
| Mean | 3.5 | | | | | | | | |
| S.D. | 3.4 | | | | | | | | |
| No. of positives | | | 11 | 10 | | | | 11 | 10 |
| % | | | 91.7 | 90.9 | | | | 91.7 | 90.9 |

/// : No need to input/measure

| Animal No. | Day of conceiving | Reproductive performance | | | Dose : m-ethylphenol 300 mg/kg | | | Species : Rat | | | |
|------------------|-------------------|--------------------------|------------|---------------|--------------------------------|-----------|---------------|---------------|-----------|------------|-----------|
| | | Generation : F0 | Sex : Male | 1st mating | | | 2nd mating | | | Total | |
| | | | | Paired animal | Copulation | Fertility | Paired animal | Copulation | Fertility | Copulation | Fertility |
| 10301 | 4 | 50351 | | + | + | /// | /// | /// | /// | + | + |
| 10302 | 4 | 50352 | | + | + | /// | /// | /// | /// | + | + |
| 10303 | 1 | 50353 | | + | - | /// | /// | /// | /// | + | - |
| 10304 | 4 | 50354 | | + | + | /// | /// | /// | /// | + | + |
| 10305 | 4 | 50355 | | + | + | /// | /// | /// | /// | + | + |
| 10306 | 2 | 50356 | | + | + | /// | /// | /// | /// | + | + |
| 10307 | 4 | 50357 | | + | + | /// | /// | /// | /// | + | + |
| 10308 | 4 | 50358 | | + | + | /// | /// | /// | /// | + | + |
| 10309 | 1 | 50359 | | + | + | /// | /// | /// | /// | + | + |
| 10310 | 4 | 50360 | | + | + | /// | /// | /// | /// | + | + |
| 10311 | 4 | 50361 | | + | + | /// | /// | /// | /// | + | + |
| 10312 | 4 | 50362 | | + | + | /// | /// | /// | /// | + | + |
| n | | 12 | | 12 | 12 | | 0 | 0 | 0 | 12 | 12 |
| Mean | | 3.3 | | | | | | | | | |
| S.D. | | 1.2 | | | | | | | | | |
| No. of positives | | | | 12 | 11 | | | | | 12 | 11 |
| % | | | | 100.0 | 91.7 | | | | | 100.0 | 91.7 |

/// : No need to input/measure

| Reproductive performance | | | Dose : m-ethylphenol 1000 mg/kg | | | Species : Rat | | | | |
|--------------------------|-------------------|---------------|---------------------------------|-----------|--|---------------|------------|-----------|------------|-----------|
| Animal No. | Day of conceiving | Paired animal | 1st mating | | | 2nd mating | | | Total | |
| | | | Copulation | Fertility | | Paired animal | Copulation | Fertility | Copulation | Fertility |
| 10401 | 4 | 50451 | + | + | | /// | /// | /// | + | + |
| 10402 | 2 | 50452 | + | + | | /// | /// | /// | + | + |
| 10403 | 1 | 50453 | + | + | | /// | /// | /// | + | + |
| 10404 | - | 50454 | - | /// | | /// | /// | /// | - | /// |
| 10405 | 3 | 50455 | + | + | | /// | /// | /// | + | + |
| 10406 | 4 | 50456 | + | + | | /// | /// | /// | + | + |
| 10407 | 1 | 50457 | + | + | | /// | /// | /// | + | + |
| 10408 | 4 | 50458 | + | + | | /// | /// | /// | + | + |
| 10409 | 3 | 50459 | + | + | | /// | /// | /// | + | + |
| 10410 | 4 | 50460 | + | + | | /// | /// | /// | + | + |
| 10411 | 2 | 50461 | + | + | | /// | /// | /// | + | + |
| 10412 | 1 | 50462 | + | + | | /// | /// | /// | + | + |
| n | 11 | | 12 | 11 | | | 0 | 0 | 12 | 11 |
| Mean | 2.6 | | | | | | | | | |
| S.D. | 1.3 | | | | | | | | | |
| No. of positives | | | 11 | 11 | | | | | 11 | 11 |
| % | | | 91.7 | 100.0 | | | | | 91.7 | 100.0 |

/// : No need to input/measure

| Reproductive performance | | Dose : m-ethylphenol 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 | 4 | 10101 | + | + | /// | /// | /// | + | + |
| 50152 | 2 | 10102 | + | + | /// | /// | /// | + | + |
| 50153 | 3 | 10103 | + | + | /// | /// | /// | + | + |
| 50154 | 2 | 10104 | + | + | /// | /// | /// | + | + |
| 50155 | 4 | 10105 | + | + | /// | /// | /// | + | + |
| 50156 | 3 | 10106 | + | + | /// | /// | /// | + | + |
| 50157 | 4 | 10107 | + | + | /// | /// | /// | + | + |
| 50158 | 2 | 10108 | + | + | /// | /// | /// | + | + |
| 50159 | 1 | 10109 | + | + | /// | /// | /// | + | + |
| 50160 | 4 | 10110 | + | + | /// | /// | /// | + | + |
| 50161 | 3 | 10111 | + | + | /// | /// | /// | + | + |
| 50162 | 4 | 10112 | + | + | /// | /// | /// | + | + |
| n | 12 | | 12 | 12 | | 0 | 0 | 12 | 12 |
| Mean | 3.0 | | | | | | | | |
| S.D. | 1.0 | | | | | | | | |
| No. of positives | | 12 | 12 | | | | | 12 | 12 |
| % | | 100.0 | 100.0 | | | | | 100.0 | 100.0 |

/// : No need to input/measure

| Animal No. | Day of conceiving | Reproductive performance | | | Dose : m-ethylphenol 100 mg/kg | | | Species : Rat | | |
|------------------|-------------------|--------------------------|--------------|---------------|--------------------------------|------------|---------------|---------------|-----------|------|
| | | Generation : F0 | Sex : Female | 1st mating | | 2nd mating | | Copulation | Fertility | |
| | | | | Paired animal | Copulation | Fertility | Paired animal | | | |
| 50251 | 2 | 10201 | | + | + | /// | /// | /// | + | + |
| 50252 | 1 | 10202 | | + | - | /// | /// | /// | + | - |
| 50253 | - | 10203 | | - | /// | /// | /// | /// | - | /// |
| 50254 | 4 | 10204 | | + | + | /// | /// | /// | + | + |
| 50255 | 1 | 10205 | | + | + | /// | /// | /// | + | + |
| 50256 | 3 | 10206 | | + | + | /// | /// | /// | + | + |
| 50257 | 1 | 10207 | | + | + | /// | /// | /// | + | + |
| 50258 | 13 | 10208 | | + | + | /// | /// | /// | + | + |
| 50259 | 4 | 10209 | | + | + | /// | /// | /// | + | + |
| 50260 | 4 | 10210 | | + | + | /// | /// | /// | + | + |
| 50261 | 1 | 10211 | | + | + | /// | /// | /// | + | + |
| 50262 | 4 | 10212 | | + | + | /// | /// | /// | + | + |
| n | 11 | | | 12 | 11 | | 0 | 0 | 12 | 11 |
| Mean | 3.5 | | | | | | | | | |
| S.D. | 3.4 | | | | | | | | | |
| No. of positives | | | | 11 | 10 | | | | 11 | 10 |
| % | | | | 91.7 | 90.9 | | | | 91.7 | 90.9 |

/// : No need to input/measure

| Reproductive performance | | Dose : m-ethylphenol 300 mg/kg | | | Species : Rat | | | | |
|--------------------------|-------------------|--------------------------------|------------|-----------|---------------|------------|-----------|------------|-----------|
| Generation : F0 | Sex : Female | 1st mating | | | 2nd mating | | | Total | |
| Animal No. | Day of conceiving | Paired animal | Copulation | Fertility | Paired animal | Copulation | Fertility | Copulation | Fertility |
| 50351 | 4 | 10301 | + | + | /// | /// | /// | + | + |
| 50352 | 4 | 10302 | + | + | /// | /// | /// | + | + |
| 50353 | 1 | 10303 | + | - | /// | /// | /// | + | - |
| 50354 | 4 | 10304 | + | + | /// | /// | /// | + | + |
| 50355 | 4 | 10305 | + | + | /// | /// | /// | + | + |
| 50356 | 2 | 10306 | + | + | /// | /// | /// | + | + |
| 50357 | 4 | 10307 | + | + | /// | /// | /// | + | + |
| 50358 | 4 | 10308 | + | + | /// | /// | /// | + | + |
| 50359 | 1 | 10309 | + | + | /// | /// | /// | + | + |
| 50360 | 4 | 10310 | + | + | /// | /// | /// | + | + |
| 50361 | 4 | 10311 | + | + | /// | /// | /// | + | + |
| 50362 | 4 | 10312 | + | + | /// | /// | /// | + | + |
| n | 12 | | 12 | 12 | | 0 | 0 | 12 | 12 |
| Mean | 3.3 | | | | | | | | |
| S.D. | 1.2 | | | | | | | | |
| No. of positives | | 12 | 11 | | | | | 12 | 11 |
| % | | 100.0 | 91.7 | | | | | 100.0 | 91.7 |

/// : No need to input/measure

| Reproductive performance | | Dose : m-ethylphenol 1000 mg/kg | | | Species : Rat | | | | |
|--------------------------|-------------------|---------------------------------|------------|-----------|---------------|------------|-----------|------------|-----------|
| Generation : F0 | Sex : Female | 1st mating | | | 2nd mating | | | Total | |
| Animal No. | Day of conceiving | Paired animal | Copulation | Fertility | Paired animal | Copulation | Fertility | Copulation | Fertility |
| 50451 | 4 | 10401 | + | + | /// | /// | /// | + | + |
| 50452 | 2 | 10402 | + | + | /// | /// | /// | + | + |
| 50453 | 1 | 10403 | + | + | /// | /// | /// | + | + |
| 50454 | - | 10404 | - | /// | /// | /// | /// | - | /// |
| 50455 | 3 | 10405 | + | + | /// | /// | /// | + | + |
| 50456 | 4 | 10406 | + | + | /// | /// | /// | + | + |
| 50457 | 1 | 10407 | + | + | /// | /// | /// | + | + |
| 50458 | 4 | 10408 | + | + | /// | /// | /// | + | + |
| 50459 | 3 | 10409 | + | + | /// | /// | /// | + | + |
| 50460 | 4 | 10410 | + | + | /// | /// | /// | + | + |
| 50461 | 2 | 10411 | + | + | /// | /// | /// | + | + |
| 50462 | 1 | 10412 | + | + | /// | /// | /// | + | + |
| n | 11 | | 12 | 11 | | 0 | 0 | 12 | 11 |
| Mean | 2.6 | | | | | | | | |
| S.D. | 1.3 | | | | | | | | |
| No. of positives | | 11 | 11 | | | | | 11 | 11 |
| % | | 91.7 | 100.0 | | | | | 91.7 | 100.0 |

/// : No need to input/measure

| Dam No. | Gestation period (day) | Delivery data Generation : F0 | | | | Dose : m-ethylphenol 0 mg/kg | | | | Species : Rat | | | | | | | | | |
|---------|------------------------|----------------------------------|-----------------|---------------------|-------------------------|------------------------------|-------|-------------------------|-----|---------------|-------|-------------|-----|-----|-------|-------|-----|-----|-------|
| | | Number of implantation | Birth index (%) | Number of offspring | Number of live newborns | | | Number of dead newborns | | | | Cannibalism | | | | Total | | | |
| | | | | | M | F | Total | M | F | U | Total | M | F | U | Total | M | F | U | Total |
| 50151 | 22 | 18(11/7) | 83.3 | 16 | 7 | 8 | 15 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 50152 | 23 | 16(4/12) | 93.8 | 15 | 5 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50153 | 23 | 15(11/4) | 93.3 | 14 | 6 | 8 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50154 | 22 | 17(7/10) | 94.1 | 16 | 7 | 9 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50155 | 23 | 17(9/8) | 88.2 | 16 | 8 | 7 | 15 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 50156 | 22 | 14(6/8) | 100.0 | 14 | 6 | 8 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50157 | 22 | 16(10/6) | 93.8 | 16 | 10 | 5 | 15 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 50158 | 22 | 16(10/6) | 100.0 | 16 | 7 | 9 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50159 | 22 | 15(7/8) | 100.0 | 15 | 7 | 8 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50160 | 22 | 16(9/7) | 87.5 | 14 | 6 | 8 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50161 | 22 | 18(8/10) | 100.0 | 18 | 9 | 9 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50162 | 23 | 16(8/8) | 93.8 | 15 | 8 | 7 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| n | | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Mean | | 22.33 | 16.2 | 93.98 | 15.4 | 7.2 | 8.0 | 15.2 | 0.1 | 0.2 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.3 |
| S.D. | | 0.49 | 1.2 | 5.52 | 1.2 | 1.4 | 1.3 | 1.1 | 0.3 | 0.4 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.0 | 0.5 |

(/) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

| Dam No. | Gestation period (day) | Delivery data Generation : F0 | | | | Dose : m-ethylphenol 100 mg/kg | | | | Species : Rat | | | | | | | | | |
|---------|------------------------|----------------------------------|-----------------|---------------------|-------------------------|--------------------------------|-------|-------------------------|-----|---------------|-------|-------------|-----|-----|-------|-----|-----|-----|-------|
| | | Number of implantation | Birth index (%) | Number of offspring | Number of live newborns | | | Number of dead newborns | | | | Cannibalism | | | Total | | | | |
| | | | | | M | F | Total | M | F | U | Total | M | F | U | Total | M | F | U | Total |
| 50251 | 22 | 15(10/5) | 100.0 | 15 | 10 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50254 | 23 | 17(6/11) | 88.2 | 15 | 7 | 8 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50255 | 22 | 15(9/6) | 100.0 | 15 | 7 | 8 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50256 | 22 | 13(8/5) | 92.3 | 12 | 4 | 8 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50257 | 22 | 17(10/7) | 94.1 | 16 | 6 | 10 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50258 | 22 | 16(11/5) | 87.5 | 14 | 6 | 8 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50259 | 22 | 16(8/8) | 100.0 | 16 | 11 | 5 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50260 | 22 | 16(8/8) | 81.3 | 13 | 7 | 6 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50261 | 22 | 14(9/5) | 100.0 | 14 | 7 | 7 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50262 | 22 | 19(11/8) | 100.0 | 19 | 13 | 6 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| n | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Mean | | 22.10 | 15.8 | 94.34 | 14.9 | 7.8 | 7.1 | 14.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| S.D. | | 0.32 | 1.7 | 6.82 | 1.9 | 2.7 | 1.6 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(/) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

| Dam No. | Gestation period (day) | Delivery data Generation : F0 | | | | Dose : m-ethylphenol 300 mg/kg | | | | Species : Rat | | | | | | | | | |
|---------|------------------------|----------------------------------|-----------------|---------------------|-------------------------|--------------------------------|-------|-------------------------|-----|---------------|-------|-------------|-----|-----|-------|-------|-----|-----|-------|
| | | Number of implantation | Birth index (%) | Number of offspring | Number of live newborns | | | Number of dead newborns | | | | Cannibalism | | | | Total | | | |
| | | | | | M | F | Total | M | F | U | Total | M | F | U | Total | M | F | U | Total |
| 50351 | 23 | 9(5/4) | 55.6 | 5 | 2 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50352 | 22 | 17(9/8) | 100.0 | 17 | 10 | 7 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50354 | 22 | 18(8/10) | 94.4 | 17 | 10 | 7 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50355 | 22 | 15(8/7) | 100.0 | 15 | 7 | 8 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50356 | 22 | 18(11/7) | 94.4 | 17 | 7 | 10 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50357 | 23 | 20(13/7) | 95.0 | 19 | 5 | 14 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50358 | 23 | 17(13/4) | 82.4 | 15 | 8 | 6 | 14 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 50359 | 23 | 3(2/1) | 66.7 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50360 | 22 | 16(13/3) | 62.5 | 10 | 4 | 6 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50361 | 22 | 14(10/4) | 92.9 | 14 | 7 | 6 | 13 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 50362 | 23 | 15(11/4) | 100.0 | 15 | 10 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| n | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| Mean | | 22.45 | 14.7 | 85.81 | 13.3 | 6.5 | 6.5 | 13.1 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| S.D. | | 0.52 | 4.8 | 16.49 | 5.4 | 3.0 | 3.6 | 5.4 | 0.0 | 0.4 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 |

(/) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

| Dam No. | Gestation period (day) | Delivery data Generation : F0 | | | | Dose : m-ethylphenol 1000 mg/kg | | | | Species : Rat | | | | | | | | | |
|---------|------------------------|----------------------------------|-----------------|---------------------|-------------------------|---------------------------------|-------|-------------------------|-----|---------------|-------|-------------|-----|-----|-------|-----|-----|-----|-------|
| | | Number of implantation | Birth index (%) | Number of offspring | Number of live newborns | | | Number of dead newborns | | | | Cannibalism | | | Total | | | | |
| | | | | | M | F | Total | M | F | U | Total | M | F | U | Total | M | F | U | Total |
| 50451 | 22 | 16(8/8) | 87.5 | 14 | 6 | 8 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50452 | 23 | 13(5/8) | 92.3 | 12 | 5 | 7 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50453 | 22 | 9(6/3) | 100.0 | 9 | 4 | 5 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50455 | 23 | 15(8/7) | 100.0 | 15 | 7 | 8 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50456 | 22 | 15(11/4) | 86.7 | 13 | 6 | 7 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50457 | 23 | 14(11/3) | 21.4 | 10 | 1 | 2 | 3 | 3 | 4 | 0 | 7 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 7 |
| 50458 | 22 | 15(7/8) | 100.0 | 15 | 7 | 8 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50459 | 22 | 14(8/6) | 92.9 | 13 | 9 | 4 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50460 | 23 | 16(5/11) | 100.0 | 16 | 11 | 5 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50461 | 22 | 17(10/7) | 94.1 | 16 | 8 | 8 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50462 | 22 | 18(8/10) | 94.4 | 17 | 12 | 5 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| n | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| Mean | | 22.36 | 14.7 | 88.12 | 13.6 | 6.9 | 6.1 | 13.0 | 0.3 | 0.4 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.0 | 0.6 |
| S.D. | | 0.50 | 2.4 | 22.66 | 2.5 | 3.1 | 2.0 | 4.0 | 0.9 | 1.2 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.9 | 1.2 | 0.0 | 2.1 |

(/) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

| Delivery data Generation : F0 | | | Dose : m-ethylphenol 0 mg/kg | Species : Rat |
|----------------------------------|-------------------------|------------------------|------------------------------|---------------|
| Dam No. | Number of corpora lutea | Number of implantation | Implantation index (%) | |
| 50151 | 18(11/7) | 18(11/7) | 100.0 | |
| 50152 | 16(4/12) | 16(4/12) | 100.0 | |
| 50153 | 16(12/4) | 15(11/4) | 93.8 | |
| 50154 | 18(8/10) | 17(7/10) | 94.4 | |
| 50155 | 17(9/8) | 17(9/8) | 100.0 | |
| 50156 | 14(6/8) | 14(6/8) | 100.0 | |
| 50157 | 16(10/6) | 16(10/6) | 100.0 | |
| 50158 | 16(10/6) | 16(10/6) | 100.0 | |
| 50159 | 15(7/8) | 15(7/8) | 100.0 | |
| 50160 | 17(10/7) | 16(9/7) | 94.1 | |
| 50161 | 18(8/10) | 18(8/10) | 100.0 | |
| 50162 | 18(10/8) | 16(8/8) | 88.9 | |
| Total | 199 | 194 | | |
| n | 12 | 12 | 12 | |
| Mean | 16.6 | 16.2 | 97.60 | |
| S.D. | 1.3 | 1.2 | 3.80 | |

(/) : Right/Left

| Delivery data Generation : F0 | | Dose : m-ethylphenol 100 mg/kg | | Species : Rat |
|----------------------------------|---------------|--------------------------------|------------------------|------------------------|
| Dam No. | | Number of corpora lutea | Number of implantation | Implantation index (%) |
| 50251 | Non-Pregnancy | 15(10/5) | 15(10/5) | 100.0 |
| 50252 | | 19(7/12) | 17(6/11) | 89.5 |
| 50254 | | 15(9/6) | 15(9/6) | 100.0 |
| 50255 | | 16(8/8) | 13(8/5) | 81.3 |
| 50256 | | 17(10/7) | 17(10/7) | 100.0 |
| 50257 | | 16(11/5) | 16(11/5) | 100.0 |
| 50258 | | 16(8/8) | 16(8/8) | 100.0 |
| 50259 | | 16(8/8) | 16(8/8) | 100.0 |
| 50260 | | 15(9/6) | 14(9/5) | 93.3 |
| 50262 | | 19(11/8) | 19(11/8) | 100.0 |
| Total | | 164 | 158 | |
| n | | 10 | 10 | 10 |
| Mean | | 16.4 | 15.8 | 96.41 |
| S.D. | | 1.5 | 1.7 | 6.46 |

(/) : Right/Left

| Delivery data Generation : F0 | | Dose : m-ethylphenol 300 mg/kg | | Species : Rat |
|----------------------------------|---------------|--------------------------------|------------------------|------------------------|
| Dam No. | | Number of corpora lutea | Number of implantation | Implantation index (%) |
| 50351 | Non-Pregnancy | 9(5/4) | 9(5/4) | 100.0 |
| 50352 | | 18(9/9) | 17(9/8) | 94.4 |
| 50353 | | | | |
| 50354 | | 18(8/10) | 18(8/10) | 100.0 |
| 50355 | | 15(8/7) | 15(8/7) | 100.0 |
| 50356 | | 18(11/7) | 18(11/7) | 100.0 |
| 50357 | | 20(13/7) | 20(13/7) | 100.0 |
| 50358 | | 17(13/4) | 17(13/4) | 100.0 |
| 50359 | | 13(2/11) | 3(2/1) | 23.1 |
| 50360 | | 16(13/3) | 16(13/3) | 100.0 |
| 50361 | | 14(10/4) | 14(10/4) | 100.0 |
| 50362 | | 16(11/5) | 15(11/4) | 93.8 |
| Total | | 174 | 162 | |
| n | | 11 | 11 | 11 |
| Mean | | 15.8 | 14.7 | 91.94 |
| S.D. | | 3.0 | 4.8 | 22.95 |

(/) : Right/Left

| Delivery data Generation : F0 | | Dose : m-ethylphenol 1000 mg/kg | | Species : Rat |
|----------------------------------|-------------------------|---------------------------------|------------------------|---------------|
| Dam No. | Number of corpora lutea | Number of implantation | Implantation index (%) | |
| 50451 | 16(8/8) | 16(8/8) | 100.0 | |
| 50452 | 13(5/8) | 13(5/8) | 100.0 | |
| 50453 | 13(7/6) | 9(6/3) | 69.2 | |
| 50455 | 15(8/7) | 15(8/7) | 100.0 | |
| 50456 | 16(11/5) | 15(11/4) | 93.8 | |
| 50457 | 14(11/3) | 14(11/3) | 100.0 | |
| 50458 | 15(7/8) | 15(7/8) | 100.0 | |
| 50459 | 14(8/6) | 14(8/6) | 100.0 | |
| 50460 | 16(5/11) | 16(5/11) | 100.0 | |
| 50461 | 17(10/7) | 17(10/7) | 100.0 | |
| 50462 | 18(8/10) | 18(8/10) | 100.0 | |
| Total | 167 | 162 | | |
| n | 11 | 11 | 11 | |
| Mean | 15.2 | 14.7 | 96.64 | |
| S.D. | 1.6 | 2.4 | 9.29 | |

(/) : Right/Left

Delivery data

External examination of offspring
Generation : F0

Unit : Number of anomalous offspring (incidence %)
Dose : m-ethylphenol 0 mg/kg

Days after birth : 0
Species : Rat

| Dam No. | Number of offspring examined | /Findings |
|---------|------------------------------|------------|
| 50151 | 15 | No anomaly |
| 50152 | 15 | No anomaly |
| 50153 | 14 | No anomaly |
| 50154 | 16 | No anomaly |
| 50155 | 15 | No anomaly |
| 50156 | 14 | No anomaly |
| 50157 | 15 | No anomaly |
| 50158 | 16 | No anomaly |
| 50159 | 15 | No anomaly |
| 50160 | 14 | No anomaly |
| 50161 | 18 | No anomaly |
| 50162 | 15 | No anomaly |
| Total | 182 | |
| n | 12 | |
| Mean | | |
| S.D. | | |

Mean : Average of incidence (%)

Delivery data

External examination of offspring

Generation : F0

Unit : Number of anomalous offspring (incidence %)

Dose : m-ethylphenol 100 mg/kg

Days after birth : 0

Species : Rat

| Dam No. | Number of offspring examined | /Findings |
|---------|------------------------------|------------|
| 50251 | 15 | No anomaly |
| 50254 | 15 | No anomaly |
| 50255 | 15 | No anomaly |
| 50256 | 12 | No anomaly |
| 50257 | 16 | No anomaly |
| 50258 | 14 | No anomaly |
| 50259 | 16 | No anomaly |
| 50260 | 13 | No anomaly |
| 50261 | 14 | No anomaly |
| 50262 | 19 | No anomaly |
| Total | 149 | |
| n | 10 | |
| Mean | | |
| S.D. | | |

Mean : Average of incidence (%)

Delivery data

External examination of offspring
Generation : F0

Unit : Number of anomalous offspring (incidence %)
Dose : m-ethylphenol 300 mg/kg

Days after birth : 0
Species : Rat

| Dam No. | Number of offspring examined | /Findings |
|---------|------------------------------|------------|
| 50351 | 5 | No anomaly |
| 50352 | 17 | No anomaly |
| 50354 | 17 | No anomaly |
| 50355 | 15 | No anomaly |
| 50356 | 17 | No anomaly |
| 50357 | 19 | No anomaly |
| 50358 | 14 | No anomaly |
| 50359 | 2 | No anomaly |
| 50360 | 10 | No anomaly |
| 50361 | 13 | No anomaly |
| 50362 | 15 | No anomaly |
| Total | 144 | |
| n | 11 | |
| Mean | | |
| S.D. | | |

Mean : Average of incidence (%)

Delivery data

External examination of offspring
Generation : F0

Unit : Number of anomalous offspring (incidence %)
Dose : m-ethylphenol 1000 mg/kg

Days after birth : 0
Species : Rat

| Dam No. | Number of offspring examined | /Findings |
|---------|------------------------------|------------|
| 50451 | 14 | No anomaly |
| 50452 | 12 | No anomaly |
| 50453 | 9 | No anomaly |
| 50455 | 15 | No anomaly |
| 50456 | 13 | No anomaly |
| 50457 | 3 | No anomaly |
| 50458 | 15 | No anomaly |
| 50459 | 13 | No anomaly |
| 50460 | 16 | No anomaly |
| 50461 | 16 | No anomaly |
| 50462 | 17 | No anomaly |
| Total | 143 | |
| n | 11 | |
| Mean | | |
| S.D. | | |

Mean : Average of incidence (%)

| | | Clinical sign of offspring Generation : F0 | | | | | Time : 1 |
|---------|-------------------------|---|-------|-------|-------|-------|---------------|
| | | Dose : m-ethylphenol 0 mg/kg | | | | | Species : Rat |
| Dam No. | Number of offspring | /Days after birth | | | | | |
| | | 0 | 1 | 2 | 3 | 4 | |
| 50151 | Alive : Male | 7 | 7 | 7 | 7 | 4 | |
| | Female | 8 | 8 | 7 | 7 | 5 | |
| | Dead : Dead | 0/0/0 | 0/0/0 | 0/1/0 | 0/0/0 | 0/0/0 | |
| | Unknown | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 3/2/0 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs No abnormality | 7/8 | 7/8 | 7/7 | 7/7 | 4/5 | |
| 50152 | Alive : Male | 5 | 5 | 5 | 5 | 5 | |
| | Female | 10 | 10 | 9 | 9 | 9 | |
| | Dead : Dead | 0/0/0 | 0/0/0 | 0/1/0 | 0/0/0 | 0/0/0 | |
| | Unknown | 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 | |
| | Signs No abnormality | 5/10 | 5/10 | 5/9 | 5/9 | 5/9 | |
| 50153 | Alive : Male | 6 | 6 | 6 | 6 | 6 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| 50154 | Alive : Male | 7 | 7 | 7 | 7 | 7 | |
| | Female | 9 | 9 | 9 | 9 | 9 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs No abnormality | 7/9 | 7/9 | 7/9 | 7/9 | 7/9 | |
| 50155 | Alive : Male | 8 | 8 | 8 | 8 | 8 | |
| | Female | 7 | 7 | 7 | 7 | 7 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| 50156 | Alive : Male | 6 | 6 | 6 | 6 | 6 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |

(/) : Number of offspring Male/Female/Unable to be sexed

| | | Clinical sign of offspring Generation : F0 | | | | | Time : 1 |
|---------|---------------------|---|-------|-------|-------|-------|---------------|
| | | Dose : m-ethylphenol 0 mg/kg | | | | | Species : Rat |
| Dam No. | Number of offspring | /Days after birth | | | | | |
| | | 0 | 1 | 2 | 3 | 4 | |
| 50157 | Alive : | Male | 10 | 10 | 10 | 10 | 10 |
| | | Female | 5 | 5 | 5 | 5 | 4 |
| | Dead : | Dead | 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 |
| | | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 |
| | | Signs | | | | | |
| 50158 | | No abnormality | 10/5 | 10/5 | 10/5 | 10/5 | 10/4 |
| | Alive : | Male | 7 | 7 | 7 | 7 | 7 |
| | | Female | 9 | 9 | 9 | 9 | 9 |
| | Dead : | Dead | 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 |
| | | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 |
| 50159 | | Signs | | | | | |
| | | No abnormality | 7/9 | 7/9 | 7/9 | 7/9 | 7/9 |
| | Alive : | Male | 7 | 7 | 7 | 7 | 7 |
| | | Female | 8 | 8 | 8 | 8 | 8 |
| | Dead : | Dead | 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 |
| 50160 | | Cannibalism | 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 |
| | Alive : | Male | 6 | 6 | 6 | 6 | 6 |
| | | Female | 8 | 8 | 8 | 8 | 8 |
| | Dead : | Dead | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 |
| 50161 | | Unknown | 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 |
| | | Signs | | | | | |
| | | No abnormality | 6/8 | 6/8 | 6/8 | 6/8 | 6/8 |
| | Alive : | Male | 9 | 9 | 9 | 9 | 9 |
| | | Female | 9 | 9 | 9 | 9 | 9 |
| 50162 | Dead : | Dead | 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 |
| | | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 |
| | | Signs | | | | | |
| | | No abnormality | 9/9 | 9/9 | 9/9 | 9/9 | 9/9 |
| | Alive : | Male | 8 | 8 | 8 | 8 | 8 |

(/) : Number of offspring Male/Female/Unable to be sexed

| | | Clinical sign of offspring Generation : F0 | | | | | Time : 1 |
|---------|-------------------------|---|-------|-------|-------|-------|---------------|
| | | Dose : m-ethylphenol 100 mg/kg | | | | | Species : Rat |
| Dam No. | Number of offspring | /Days after birth | | | | | |
| | | 0 | 1 | 2 | 3 | 4 | |
| 50251 | Alive : Male | 10 | 10 | 10 | 10 | 10 | |
| | Female | 5 | 5 | 5 | 5 | 4 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | 10/4 | |
| 50254 | Alive : Male | 7 | 7 | 7 | 7 | 7 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| 50255 | Alive : Male | 7 | 7 | 7 | 7 | 7 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| 50256 | Alive : Male | 4 | 4 | 4 | 4 | 4 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs No abnormality | 4/8 | 4/8 | 4/8 | 4/8 | 4/8 | |
| 50257 | Alive : Male | 6 | 6 | 6 | 6 | 6 | |
| | Female | 10 | 10 | 10 | 10 | 10 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs No abnormality | 6/10 | 6/10 | 6/10 | 6/10 | 6/10 | |
| 50258 | Alive : Male | 6 | 6 | 6 | 6 | 6 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |

(/) : Number of offspring Male/Female/Unable to be sexed

| | | Clinical sign of offspring Generation : F0 | | | | | Time : 1 |
|---------|---------------------|---|-------|-------|-------|-------|---------------|
| Dam No. | Number of offspring | Dose : m-ethylphenol 100 mg/kg | | | | | Species : Rat |
| | | 0 | 1 | 2 | 3 | 4 | |
| 50259 | Alive : Male | 11 | 11 | 11 | 11 | 11 | |
| | Female | 5 | 5 | 5 | 5 | 5 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs | | | | | | |
| | No abnormality | 11/5 | 11/5 | 11/5 | 11/5 | 11/5 | |
| 50260 | Alive : Male | 7 | 7 | 7 | 7 | 7 | |
| | Female | 6 | 6 | 6 | 6 | 6 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs | | | | | | |
| | No abnormality | 7/6 | 7/6 | 7/6 | 7/6 | 7/6 | |
| 50261 | Alive : Male | 7 | 7 | 7 | 0 | | |
| | Female | 7 | 7 | 7 | 0 | | |
| | Dead : Dead | 0/0/0 | 0/0/0 | 0/0/0 | 2/4/0 | | |
| | Unknown | 0/0/0 | 0/0/0 | 0/0/0 | 5/3/0 | | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | | |
| | Signs | | | | | | |
| | No abnormality | 7/7 | 7/7 | 7/7 | 0/0 | | |
| 50262 | Alive : Male | 13 | 13 | 13 | 13 | 13 | |
| | Female | 6 | 6 | 6 | 6 | 6 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs | | | | | | |
| | No abnormality | 13/6 | 13/6 | 13/6 | 13/6 | 12/6 | |
| | | 0/0 | 0/0 | 0/0 | 0/0 | 1/0 | |

(/) : Number of offspring Male/Female/Unable to be sexed

| | | Clinical sign of offspring Generation : F0 | | | | | Time : 1 |
|---------|---------------------|---|-------|-------|-------|-------|---------------|
| Dam No. | Number of offspring | Dose : m-ethylphenol 300 mg/kg | | | | | Species : Rat |
| | | 0 | 1 | 2 | 3 | 4 | |
| 50351 | Alive : Male | 2 | 2 | 2 | 2 | 2 | |
| | Female | 3 | 3 | 3 | 3 | 3 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs | | | | | | |
| | No abnormality | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | |
| | Alive : Male | 10 | 10 | 10 | 10 | 10 | |
| | Female | 7 | 7 | 7 | 7 | 7 | |
| | Dead : Dead | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| 50352 | Unknown | 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 | |
| | Signs | | | | | | |
| | No abnormality | 10/7 | 10/7 | 10/7 | 10/7 | 10/7 | |
| | Alive : Male | 10 | 10 | 10 | 10 | 10 | |
| | Female | 7 | 7 | 7 | 7 | 7 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs | | | | | | |
| 50354 | No abnormality | 10/7 | 10/7 | 10/7 | 10/7 | 10/7 | |
| | Milk-band negative | 0/0 | 0/0 | 0/0 | 0/0 | 1/0 | |
| | Alive : Male | 7 | 7 | 7 | 7 | 7 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| | Milk-band negative | 0/0 | 0/0 | 0/0 | 0/0 | 1/0 | |
| 50355 | Alive : Male | 7 | 7 | 7 | 7 | 7 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| | Milk-band negative | 0/0 | 0/0 | 0/0 | 0/0 | 1/0 | |
| | Alive : Male | 7 | 7 | 7 | 7 | 7 | |
| | Female | 10 | 10 | 10 | 10 | 10 | |
| 50356 | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| | Milk-band negative | 0/0 | 0/0 | 0/0 | 0/0 | 1/0 | |
| | Alive : Male | 7 | 7 | 7 | 7 | 7 | |
| | Female | 10 | 10 | 10 | 10 | 10 | |
| | Dead : Dead | 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 | |
| 50357 | Cannibalism | 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 | |
| | Milk-band negative | 5/14 | 5/14 | 5/14 | 5/14 | 5/12 | |
| | Alive : Male | 5 | 5 | 5 | 5 | 5 | |
| | Female | 14 | 14 | 14 | 14 | 12 | |
| | Dead : Dead | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/1/0 | |
| | Unknown | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/1/0 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs | | | | | | |

(/) : Number of offspring Male/Female/Unable to be sexed

| | | Clinical sign of offspring Generation : F0 | | | | | Time : 1 |
|---------|---------------------|---|-------|-------|-------|-------|---------------|
| Dam No. | Number of offspring | Dose : m-ethylphenol 300 mg/kg | | | | | Species : Rat |
| | | 0 | 1 | 2 | 3 | 4 | |
| 50358 | Alive : Male | 8 | 8 | 8 | 8 | 8 | |
| | Female | 6 | 6 | 6 | 6 | 6 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| | | | | | | | |
| 50359 | Alive : Male | 2 | 2 | 2 | 2 | 2 | |
| | Female | 0 | 0 | 0 | 0 | 0 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs | | | | | | |
| | No abnormality | 2/0 | 2/0 | 2/0 | 2/0 | 2/0 | |
| | | | | | | | |
| 50360 | Alive : Male | 4 | 4 | 4 | 4 | 4 | |
| | Female | 6 | 6 | 6 | 6 | 6 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs | | | | | | |
| | No abnormality | 4/6 | 4/6 | 4/6 | 4/6 | 4/6 | |
| | | | | | | | |
| 50361 | Alive : Male | 7 | 7 | 7 | 7 | 7 | |
| | Female | 6 | 6 | 6 | 6 | 6 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs | | | | | | |
| | No abnormality | 7/6 | 7/6 | 7/6 | 7/6 | 7/6 | |
| | | | | | | | |
| 50362 | Alive : Male | 10 | 10 | 10 | 10 | 10 | |
| | Female | 5 | 5 | 5 | 5 | 5 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| | | | | | | | |

(/) : Number of offspring Male/Female/Unable to be sexed

| | | Clinical sign of offspring Generation : F0 | | | | | Time : 1 |
|---------|---------------------|---|-------|-------|-------|-------|---------------|
| | | Dose : m-ethylphenol 1000 mg/kg | | | | | Species : Rat |
| Dam No. | Number of offspring | /Days after birth | | | | | |
| | | 0 | 1 | 2 | 3 | 4 | |
| 50451 | Alive : Male | 6 | 6 | 6 | 6 | 6 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| 50452 | Alive : Male | 5 | 5 | 5 | 5 | 5 | |
| | Female | 7 | 7 | 7 | 7 | 7 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| 50453 | Alive : Male | 4 | 4 | 4 | 4 | 4 | |
| | Female | 5 | 5 | 5 | 5 | 5 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| 50455 | Alive : Male | 7 | 7 | 7 | 7 | 7 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| 50456 | Alive : Male | 6 | 6 | 6 | 6 | 5 | |
| | Female | 7 | 7 | 7 | 7 | 7 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs | | | | | | |
| | No abnormality | 6/7 | 6/7 | 6/7 | 6/7 | 5/7 | |
| 50457 | Alive : Male | 1 | 0 | | | | |
| | Female | 2 | 0 | | | | |
| | Dead : Dead | 0/0/0 | 0/0/0 | | | | |
| | Unknown | 0/0/0 | 1/2/0 | | | | |
| | Cannibalism | 0/0/0 | 0/0/0 | | | | |
| | Signs | | | | | | |
| | No abnormality | 0/0 | 0/0 | | | | |
| | Milk-band negative | 1/2 | 0/0 | | | | |

(/) : Number of offspring Male/Female/Unable to be sexed

| | | Clinical sign of offspring Generation : F0 | | | | | Time : 1 |
|---------|---------------------|---|-------|-------|-------|-------|---------------|
| Dam No. | Number of offspring | Dose : m-ethylphenol 1000 mg/kg | | | | | Species : Rat |
| | | 0 | 1 | 2 | 3 | 4 | |
| 50458 | Alive : Male | 7 | 7 | 7 | 7 | 7 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| | Alive : Male | 9 | 9 | 9 | 9 | 9 | |
| | Female | 4 | 4 | 4 | 4 | 4 | |
| | Dead : Dead | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| 50459 | Unknown | 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 | |
| | Signs | | | | | | |
| | No abnormality | 9/4 | 9/4 | 9/4 | 9/4 | 9/4 | |
| | Alive : Male | 11 | 11 | 11 | 11 | 11 | |
| | Female | 5 | 5 | 5 | 5 | 5 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| | Signs | | | | | | |
| 50460 | No abnormality | 11/5 | 11/5 | 11/5 | 11/5 | 11/5 | |
| | Alive : Male | 8 | 8 | 8 | 8 | 8 | |
| | Female | 8 | 8 | 8 | 8 | 8 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| | Alive : Male | 12 | 12 | 12 | 12 | 11 | |
| | Female | 5 | 5 | 5 | 5 | 5 | |
| 50461 | Dead : Dead | 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 | |
| | Cannibalism | 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 | |
| | Alive : Male | 12 | 12 | 12 | 12 | 11 | |
| | Female | 5 | 5 | 5 | 5 | 5 | |
| | Dead : Dead | 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 | |
| | Cannibalism | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | 0/0/0 | |
| 50462 | Signs | | | | | | |
| | No abnormality | 12/5 | 12/5 | 12/5 | 12/5 | 11/5 | |

(/) : Number of offspring Male/Female/Unable to be sexed

| Litter size and viability index of offspring Generation : F0 | | | | Dose : m-ethylphenol 0 mg/kg | Species : Rat |
|---|-------|-------------------|---------------------|------------------------------|---------------------|
| Dam No. | Sex | /Days after birth | | | |
| | | 0 | 0 | 4 | 4 |
| | | Male/Female | Viability index (%) | Male/Female | Viability index (%) |
| 50151 | Total | 15 (7/8) | 93.8 | 9 (4/5) | 60.0 |
| 50152 | Total | 15 (5/10) | 100.0 | 14 (5/9) | 93.3 |
| 50153 | Total | 14 (6/8) | 100.0 | 14 (6/8) | 100.0 |
| 50154 | Total | 16 (7/9) | 100.0 | 16 (7/9) | 100.0 |
| 50155 | Total | 15 (8/7) | 93.8 | 15 (8/7) | 100.0 |
| 50156 | Total | 14 (6/8) | 100.0 | 14 (6/8) | 100.0 |
| 50157 | Total | 15 (10/5) | 93.8 (10/4) | 14 | 93.3 |
| 50158 | Total | 16 (7/9) | 100.0 | 16 (7/9) | 100.0 |
| 50159 | Total | 15 (7/8) | 100.0 | 15 (7/8) | 100.0 |
| 50160 | Total | 14 (6/8) | 100.0 | 14 (6/8) | 100.0 |
| 50161 | Total | 18 (9/9) | 100.0 | 18 (9/9) | 100.0 |
| 50162 | Total | 15 (8/7) | 100.0 (8/7) | 15 | 100.0 |
| Total | | 182 | | 174 | |
| Male/Female | | 86/96 | | 83/91 | |
| n | | 12 | 12 | 12 | 12 |
| Mean | | | 98.45 | 95.55 | |
| S.D. | | | 2.80 | 11.49 | |

| Litter size and viability index of offspring Generation : F0 | | | | Dose : m-ethylphenol 100 mg/kg | Species : Rat |
|---|-------|-------------------|---------------------|--------------------------------|---------------------|
| Dam No. | Sex | /Days after birth | | | |
| | | 0 | 0 | 4 | 4 |
| | | Male/Female | Viability index (%) | Male/Female | Viability index (%) |
| 50251 | Total | 15 (10/5) | 100.0 | 14 (10/4) | 93.3 |
| 50254 | Total | 15 (7/8) | 100.0 | 15 (7/8) | 100.0 |
| 50255 | Total | 15 (7/8) | 100.0 | 15 (7/8) | 100.0 |
| 50256 | Total | 12 (4/8) | 100.0 | 12 (4/8) | 100.0 |
| 50257 | Total | 16 (6/10) | 100.0 | 16 (6/10) | 100.0 |
| 50258 | Total | 14 (6/8) | 100.0 | 14 (6/8) | 100.0 |
| 50259 | Total | 16 (11/5) | 100.0 | 16 (11/5) | 100.0 |
| 50260 | Total | 13 (7/6) | 100.0 | 13 (7/6) | 100.0 |
| 50261 | Total | 14 (7/7) | 100.0 | 0 | 0.0 |
| 50262 | Total | 19 (13/6) | 100.0 | 19 (13/6) | 100.0 |
| Total | | 149 | | 134 | |
| Male/Female | | 78/71 | | 71/63 | |
| n | | 10 | 10 | 9 | 10 |
| Mean | | | 100.00 | | 89.33 |
| S.D. | | | 0.00 | | 31.46 |

| Litter size and viability index of offspring | | | | | |
|--|-------|-------------------|--------------------------------|---------------------|---------------|
| Generation : F0 | | | Dose : m-ethylphenol 300 mg/kg | | Species : Rat |
| Dam No. | Sex | /Days after birth | 0 | 0 | 4 |
| | | | Male/Female | Viability index (%) | Male/Female |
| 50351 | Total | | 5 (2/3) | 100.0 | 5 (2/3) |
| 50352 | Total | | 17 (10/7) | 100.0 | 17 (10/7) |
| 50354 | Total | | 17 (10/7) | 100.0 | 17 (10/7) |
| 50355 | Total | | 15 (7/8) | 100.0 | 15 (7/8) |
| 50356 | Total | | 17 (7/10) | 100.0 | 17 (7/10) |
| 50357 | Total | | 19 (5/14) | 100.0 | 17 (5/12) |
| 50358 | Total | | 14 (8/6) | 93.3 | 14 (8/6) |
| 50359 | Total | | 2 (2/0) | 100.0 | 2 (2/0) |
| 50360 | Total | | 10 (4/6) | 100.0 | 10 (4/6) |
| 50361 | Total | | 13 (7/6) | 92.9 | 13 (7/6) |
| 50362 | Total | | 15 (10/5) | 100.0 | 15 (10/5) |
| Total | | | | 144 | 142 |
| Male/Female | | | | 72/72 | 72/70 |
| n | | | | 11 | 11 |
| Mean | | | | 98.75 | 99.05 |
| S.D. | | | | 2.79 | 3.17 |

| Litter size and viability index of offspring | | | | | |
|--|-------|-------------------|---------------------------------|---------------------|---------------|
| Generation : F0 | | | Dose : m-ethylphenol 1000 mg/kg | | Species : Rat |
| Dam No. | Sex | /Days after birth | 0 | 0 | 4 |
| | | | Male/Female | Viability index (%) | Male/Female |
| 50451 | Total | | 14 (6/8) | 100.0 | 14 (6/8) |
| 50452 | Total | | 12 (5/7) | 100.0 | 12 (5/7) |
| 50453 | Total | | 9 (4/5) | 100.0 | 9 (4/5) |
| 50455 | Total | | 15 (7/8) | 100.0 | 15 (7/8) |
| 50456 | Total | | 13 (6/7) | 100.0 | 12 (5/7) |
| 50457 | Total | | 3 (1/2) | 30.0 | 0 |
| 50458 | Total | | 15 (7/8) | 100.0 | 15 (7/8) |
| 50459 | Total | | 13 (9/4) | 100.0 | 13 (9/4) |
| 50460 | Total | | 16 (11/5) | 100.0 | 16 (11/5) |
| 50461 | Total | | 16 (8/8) | 100.0 | 16 (8/8) |
| 50462 | Total | | 17 (12/5) | 100.0 | 16 (11/5) |
| Total | | | 143 | 138 | |
| Male/Female | | | 76/67 | 73/65 | |
| n | | | 11 | 11 | 10 |
| Mean | | | 93.64 | 89.67 | |
| S.D. | | | 21.11 | 29.87 | |

| Body weight of offspring Generation : F0 /Days after birth | | | | Dose : m-ethylphenol 0 mg/kg | Unit : g | Species : Rat |
|--|--------|----|-------|------------------------------|----------|---------------|
| Dam No. | Sex | 0 | 4 | | | |
| | | n | B.W. | n | B.W. | |
| 50151 | Male | 7 | 6.81 | 4 | 7.75 | |
| | Female | 8 | 6.45 | 5 | 8.20 | |
| 50152 | Male | 5 | 7.16 | 5 | 10.22 | |
| | Female | 10 | 6.67 | 9 | 10.50 | |
| 50153 | Male | 6 | 7.30 | 6 | 12.05 | |
| | Female | 8 | 6.66 | 8 | 11.36 | |
| 50154 | Male | 7 | 6.19 | 7 | 9.64 | |
| | Female | 9 | 5.66 | 9 | 8.98 | |
| 50155 | Male | 8 | 6.91 | 8 | 9.38 | |
| | Female | 7 | 6.36 | 7 | 8.54 | |
| 50156 | Male | 6 | 6.75 | 6 | 10.70 | |
| | Female | 8 | 6.53 | 8 | 10.78 | |
| 50157 | Male | 10 | 6.29 | 10 | 10.27 | |
| | Female | 5 | 6.00 | 4 | 10.33 | |
| 50158 | Male | 7 | 6.49 | 7 | 9.96 | |
| | Female | 9 | 6.26 | 9 | 9.50 | |
| 50159 | Male | 7 | 6.77 | 7 | 11.19 | |
| | Female | 8 | 6.40 | 8 | 11.14 | |
| 50160 | Male | 6 | 6.18 | 6 | 10.80 | |
| | Female | 8 | 5.90 | 8 | 10.15 | |
| 50161 | Male | 9 | 6.39 | 9 | 9.56 | |
| | Female | 9 | 5.79 | 9 | 8.41 | |
| 50162 | Male | 8 | 7.39 | 8 | 11.60 | |
| | Female | 7 | 7.07 | 7 | 11.44 | |
| n | Male | 86 | | 83 | | |
| | Female | 96 | | 91 | | |
| Mean | Male | | 6.719 | | 10.260 | |
| | Female | | 6.313 | | 9.944 | |
| S.D. | Male | | 0.421 | | 1.144 | |
| | Female | | 0.412 | | 1.182 | |

| Body weight of offspring Generation : F0 /Days after birth | | | | Dose : m-ethylphenol 100 mg/kg | Unit : g | Species : Rat |
|--|--------|----|-------|--------------------------------|----------|---------------|
| Dam No. | Sex | n | B.W. | | 0 | 4 |
| 50251 | Male | 10 | 6.51 | 10 | 9.90 | |
| | Female | 5 | 6.04 | 4 | 9.20 | |
| 50254 | Male | 7 | 7.99 | 7 | 12.64 | |
| | Female | 8 | 7.60 | 8 | 12.26 | |
| 50255 | Male | 7 | 5.99 | 7 | 10.31 | |
| | Female | 8 | 5.71 | 8 | 9.34 | |
| 50256 | Male | 4 | 7.13 | 4 | 12.73 | |
| | Female | 8 | 7.05 | 8 | 12.43 | |
| 50257 | Male | 6 | 7.15 | 6 | 10.37 | |
| | Female | 10 | 6.30 | 10 | 9.02 | |
| 50258 | Male | 6 | 6.68 | 6 | 10.67 | |
| | Female | 8 | 6.61 | 8 | 10.79 | |
| 50259 | Male | 11 | 6.69 | 11 | 10.25 | |
| | Female | 5 | 6.08 | 5 | 9.62 | |
| 50260 | Male | 7 | 6.99 | 7 | 11.07 | |
| | Female | 6 | 6.72 | 6 | 10.53 | |
| 50261 | Male | 7 | 6.50 | 0 | | |
| | Female | 7 | 5.80 | 0 | | |
| 50262 | Male | 13 | 5.92 | 13 | 9.00 | |
| | Female | 6 | 5.60 | 6 | 8.87 | |
| n | Male | 78 | | 71 | | |
| | Female | 71 | | 63 | | |
| Mean | Male | | 6.755 | | 10.771 | |
| | Female | | 6.351 | | 10.229 | |
| S.D. | Male | | 0.605 | | 1.223 | |
| | Female | | 0.641 | | 1.365 | |

| Body weight of offspring Generation : F0 /Days after birth | | | | Dose : m-ethylphenol 300 mg/kg | Unit : g | Species : Rat |
|--|--------|----|-------|--------------------------------|----------|---------------|
| Dam No. | Sex | 0 | 4 | | | |
| | | n | B.W. | n | B.W. | |
| 50351 | Male | 2 | 8.40 | 2 | 15.15 | |
| | Female | 3 | 7.87 | 3 | 13.97 | |
| 50352 | Male | 10 | 6.40 | 10 | 10.33 | |
| | Female | 7 | 6.03 | 7 | 9.73 | |
| 50354 | Male | 10 | 5.90 | 10 | 9.36 | |
| | Female | 7 | 5.84 | 7 | 9.09 | |
| 50355 | Male | 7 | 5.71 | 7 | 9.29 | |
| | Female | 8 | 5.43 | 8 | 8.99 | |
| 50356 | Male | 7 | 5.93 | 7 | 9.86 | |
| | Female | 10 | 6.20 | 10 | 10.07 | |
| 50357 | Male | 5 | 6.86 | 5 | 10.64 | |
| | Female | 14 | 6.50 | 12 | 10.57 | |
| 50358 | Male | 8 | 6.65 | 8 | 11.43 | |
| | Female | 6 | 6.35 | 6 | 10.47 | |
| 50359 | Male | 2 | 8.45 | 2 | 14.15 | |
| | Female | 0 | 0 | | | |
| 50360 | Male | 4 | 7.03 | 4 | 12.55 | |
| | Female | 6 | 6.07 | 6 | 11.27 | |
| 50361 | Male | 7 | 7.09 | 7 | 11.30 | |
| | Female | 6 | 6.70 | 6 | 11.02 | |
| 50362 | Male | 10 | 7.60 | 10 | 12.30 | |
| | Female | 5 | 7.06 | 5 | 11.24 | |
| n | Male | 72 | | 72 | | |
| | Female | 72 | | 70 | | |
| Mean | Male | | 6.911 | | 11.487 | |
| | Female | | 6.405 | | 10.642 | |
| S.D. | Male | | 0.942 | | 1.908 | |
| | Female | | 0.686 | | 1.426 | |

| Body weight of offspring Generation : F0 /Days after birth | | | | Dose : m-ethylphenol 1000 mg/kg | Unit : g | Species : Rat |
|--|--------|----|-------|---------------------------------|----------|---------------|
| Dam No. | Sex | 0 | 4 | | | |
| | | n | B.W. | n | B.W. | |
| 50451 | Male | 6 | 6.17 | 6 | 9.82 | |
| | Female | 8 | 5.74 | 8 | 9.35 | |
| 50452 | Male | 5 | 7.26 | 5 | 10.80 | |
| | Female | 7 | 6.67 | 7 | 10.20 | |
| 50453 | Male | 4 | 6.33 | 4 | 9.90 | |
| | Female | 5 | 6.08 | 5 | 9.48 | |
| 50455 | Male | | MD | 7 | 9.94 | |
| | Female | | MD | 8 | 9.23 | |
| 50456 | Male | 6 | 5.27 | 5 | 8.90 | |
| | Female | 7 | 5.24 | 7 | 8.60 | |
| 50457 | Male | 1 | 4.50 | 0 | | |
| | Female | 2 | 4.50 | 0 | | |
| 50458 | Male | 7 | 6.34 | 7 | 10.56 | |
| | Female | 8 | 6.38 | 8 | 10.24 | |
| 50459 | Male | 9 | 6.39 | 9 | 10.19 | |
| | Female | 4 | 6.10 | 4 | 10.28 | |
| 50460 | Male | 11 | 6.85 | 11 | 10.98 | |
| | Female | 5 | 6.64 | 5 | 10.72 | |
| 50461 | Male | 8 | 5.69 | 8 | 8.64 | |
| | Female | 8 | 5.76 | 8 | 9.03 | |
| 50462 | Male | 12 | 5.99 | 11 | 9.75 | |
| | Female | 5 | 5.56 | 5 | 8.76 | |
| n | Male | 69 | | 73 | | |
| | Female | 59 | | 65 | | |
| Mean | Male | | 6.079 | | 9.948 | |
| | Female | | 5.867 | | 9.589 | |
| S.D. | Male | | 0.784 | | 0.752 | |
| | Female | | 0.666 | | 0.725 | |

MD : Missing data

| Necropsy findings of offspring Generation : F0 | | | Dose : m-ethylphenol 0 mg/kg | Species : Rat |
|---|---|-----------|---|--|
| Dam No. | Number of live offspring examined on Day 4 | /Findings | Number of dead offspring examined on Day 0-4 | /Findings |
| 50151 | 9 | Absent | 2 | 1 ^a ; Absent (Day 0), 1 ^b ; Absent (Day 2) |
| 50152 | 14 | Absent | 1 | Absent (Day 2) |
| 50153 | 14 | Absent | 0 | |
| 50154 | 16 | Absent | 0 | |
| 50155 | 15 | Absent | 1 | Absent (Day 0) |
| 50156 | 14 | Absent | 0 | |
| 50157 | 14 | Absent | 1 | Absent (Day 0) |
| 50158 | 16 | Absent | 0 | |
| 50159 | 15 | Absent | 0 | |
| 50160 | 14 | Absent | 0 | |
| 50161 | 18 | Absent | 0 | |
| 50162 | 15 | Absent | 0 | |
| Total | 174 | | 5 | |
| n | 12 | | 4 | |

a: Partly cannibalized

b: Showed autolysis in abdominal cavity

| Necropsy findings of offspring Generation : F0 | | | Dose : m-ethylphenol 100 mg/kg | Species : Rat |
|---|---|-----------|---|---------------------------------|
| Dam No. | Number of live offspring examined on Day 4 | /Findings | Number of dead offspring examined on Day 0-4 | |
| 50251 | 14 | Absent | 0 | |
| 50254 | 15 | Absent | 0 | |
| 50255 | 15 | Absent | 0 | |
| 50256 | 12 | Absent | 0 | |
| 50257 | 16 | Absent | 0 | |
| 50258 | 14 | Absent | 0 | |
| 50259 | 16 | Absent | 0 | |
| 50260 | 13 | Absent | 0 | |
| 50261 | 0 | | 6 | 6 ^a ; Absent (Day 3) |
| 50262 | 19 | Absent | 0 | |
| Total | 134 | | 6 | |
| n | 9 | | 1 | |

a: Showed autolysis in abdominal cavity

| Necropsy findings of offspring Generation : F0 | | | Dose : m-ethylphenol 300 mg/kg | Species : Rat |
|---|---|-----------|---|----------------|
| Dam No. | Number of live offspring examined on Day 4 | /Findings | Number of dead offspring examined on Day 0-4 | /Findings |
| 50351 | 5 | Absent | 0 | |
| 50352 | 17 | Absent | 0 | |
| 50354 | 17 | Absent | 0 | |
| 50355 | 15 | Absent | 0 | |
| 50356 | 17 | Absent | 0 | |
| 50357 | 17 | Absent | 1 | Absent (Day 4) |
| 50358 | 14 | Absent | 1 | Absent (Day 0) |
| 50359 | 2 | Absent | 0 | |
| 50360 | 10 | Absent | 0 | |
| 50361 | 13 | Absent | 1 | Absent (Day 0) |
| 50362 | 15 | Absent | 0 | |
| Total | 142 | | 3 | |
| n | 11 | | 3 | |

| Necropsy findings of offspring Generation : F0 | | | Dose : m-ethylphenol 1000 mg/kg | Species : Rat |
|---|---|-----------|---|----------------|
| Dam No. | Number of live offspring examined on Day 4 | /Findings | Number of dead offspring examined on Day 0-4 | |
| 50451 | 14 | Absent | 0 | |
| 50452 | 12 | Absent | 0 | |
| 50453 | 9 | Absent | 0 | |
| 50455 | 15 | Absent | 0 | |
| 50456 | 12 | Absent | 0 | |
| 50457 | 0 | | 7 | Absent (Day 0) |
| 50458 | 15 | Absent | 0 | |
| 50459 | 13 | Absent | 0 | |
| 50460 | 16 | Absent | 0 | |
| 50461 | 16 | Absent | 0 | |
| 50462 | 16 | Absent | 0 | |
| Total | 138 | | 7 | |
| n | 10 | | 1 | |

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 Email USA techserv@sial.com
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Certificate of Analysis

Product Name: 3-ETHYLPHENOL

Product Number: 04688
Product Brand: Fluka
Molecular Formula: C₈H₁₀O
Molecular Mass: 122.16
CAS Number: 620-17-7

| TEST | SPECIFICATION | LOT BCBH7589V RESULTS |
|------------------------|--------------------------|--|
| APPEARANCE (COLOR) | COLORLESS TO LIGHT BROWN | LIGHT BROWN (B3) |
| APPEARANCE (FORM) | CLEAR LIQUID | CLEAR LIQUID |
| PURITY (GC AREA %) | ≥ 95.0 % | 96.4 % |
| REMARKS ON GC | — | 1.61 % 4-ETHYLPHENOL, 1.19 % PHENOL, 0.11 % 2-ETHYLPHENOL |
| REFRACTIVE INDEX N20/D | 1.534 - 1.536 | 1.534 |
| PROTON NMR SPECTRUM | CONFORMS TO STRUCTURE | CONFORMS |
| QUALITY RELEASE DATE | 03 APR 2012 | |

[Redacted]
 Manager Quality Control
 Buchs, Switzerland

Sigma-Aldrich guarantees the 'Sales-Specification' values only, additional lot specific tests may be included for further information. The current 'Sales-Specifications' sheet is available on request. For further inquiries, please contact our Technical Service. Sigma-Aldrich warrants, that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice for additional terms and conditions of sale. The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.

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Certificate of Analysis

Product Name: 3-ETHYLPHENOL

Product Number: 04688

Product Brand: Fluka

Molecular Formula: C₈H₁₀O

Molecular Mass: 122.16

CAS Number: 620-17-7

| TEST | SPECIFICATION | LOT BCBD8341V RESULTS |
|------------------------|--------------------------|--|
| APPEARANCE (COLOR) | COLORLESS TO LIGHT BROWN | LIGHT BROWNISH-YELLOW (BY3) |
| APPEARANCE (FORM) | CLEAR LIQUID | CLEAR LIQUID |
| PURITY (GC AREA %) | ≥ 95.0 % | 95.7 % |
| REMARKS ON GC | - | 1.68 % 4-ETHYLPHENOL, 1.33 % PHENOL, 0.11 % 2-ETHYLPHENOL |
| REFRACTIVE INDEX N20/D | 1.534 - 1.536 | 1.534 |
| PROTON NMR SPECTRUM | CONFORMS TO STRUCTURE | CONFORMS |
| QC RELEASE DATE | 10/JAN/11 | |

[Redacted]
Quality Control
Buchs, Switzerland

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報告書

整理 No.Y0011

株式会社 化合物安全性研究所

2014年 1月 21日

安全性研究部東京化成工業株式会社 深谷工場
分析センター

[REDACTED] 様

〒366-0816 埼玉県深谷市権合 725 番地

TEL 048-571-3466

FAX 048-571-1810



試料名 m-エチルフェノールの分析につきましてご報告致します。

分析試料

No.1 m-エチルフェノール Lot No. BCBH7589V

[SIGMA-ALDRICH 社 製]

No.2 m-エチルフェノール Lot No. BCBD8341V

[SIGMA-ALDRICH 社 製]

1. 純度(GC)

(1) 分析条件

カラム : Polyethylene Glycol 20M

0.25 μm × 30m × 0.25mm

カラム 温度 : 最初 180°C で 10 分間保ち、その後 20°C/min で 240°C まで昇温し、
その温度に 7 分間保つ。

気化室温度 : 250°C

検出器温度 : 250°C

キャリアガス : ヘリウム 線速度 30cm/sec.

検出器 : FID

注入法 : スプリット法 スプリット比 (1 : 150)

注入量 : 1.0 μL (試料 50mg+Methanol 1mL)

定量法 : 未補正面積百分率法

機器 : Agilent 6890N

(2) 結果 (未補正面積百分率) 添付データ 9 枚

No.1 ①96.41% ②96.40% 平均 96.4%

No.2 ①96.11% ②96.11% 平均 96.1%

この報告書に関するご質問は [REDACTED] までお願い致します。

分析証明書番号：1614

濃度確認試験 分析証明書

試験名 : m-エチルフェノールのラットを用いる簡易生殖発生毒性試験
 試験番号 : SR13055
 被験物質名 : m-エチルフェノール
 ロット番号 : BCBH7589V
 対照物質 : 日本薬局方オリブ油
 調製年月日 : 2013年10月17日
 分析試験実施時期 : 初回調製時
 測定年月日 : 2013年10月17日
 測定方法 : HPLC法
 試験成績 :

| 投与液の表示濃度 | 測定の繰返し数 | 被験物質濃度 (mg/mL) | 投与液 | | |
|-----------|---------|-------------------|----------------|---------------|------------|
| | | | 平均値 | 相対標準偏差 (%) | 含有率 (%) |
| 20 mg/mL | 1 | 20.6 | 20.7 ± 0.12 | 0.6 | 103.5 |
| | 2 | 20.8 | | | |
| | 3 | 20.8 | | | |
| 60 mg/mL | 1 | 60.6 | 60.8 ± 0.35 | 0.6 | 101.3 |
| | 2 | 61.2 | | | |
| | 3 | 60.6 | | | |
| 200 mg/mL | 1 | 216 | 212 ± 3.5 | 1.7 | 106.0 |
| | 2 | 210 | | | |
| | 3 | 210 | | | |

判定基準 : 含有率が90.0~110.0%, 相対標準偏差が5.0%以下の場合を適とする。

合否判定 : 適

備考 : -

試験施設 株式会社 化合物安全性研究所

化学分析担当者 :

2013年10月18日

化学分析責任者 :

2013年10月18日

分析証明書番号 : 1621

濃度確認試験 分析証明書

試験名 : m-エチルフェノールのラットを用いる簡易生殖発生毒性試験
 試験番号 : SR13055
 被験物質名 : m-エチルフェノール
 ロット番号 : BCBD8341V
 対照物質 : 日本薬局方オリブ油
 調製年月日 : 2013年11月29日
 分析試験実施時期 : 雄の最終回調製時
 測定年月日 : 2013年11月29日
 測定方法 : HPLC法
 試験成績 :

| 投与液の表示濃度 | 測定の繰返し数 | 被験物質濃度 (mg/mL) | 投与液 | | |
|-----------|---------|-------------------|-----------------|---------------|------------|
| | | | 平均値 ±標準偏差 | 相対標準偏差 (%) | 含有率 (%) |
| 20 mg/mL | 1 | 19.8 | 19.9 ± 0.10 | 0.5 | 99.5 |
| | 2 | 20.0 | | | |
| | 3 | 19.9 | | | |
| 60 mg/mL | 1 | 60.6 | 60.2 ± 0.38 | 0.6 | 100.3 |
| | 2 | 59.9 | | | |
| | 3 | 60.0 | | | |
| 200 mg/mL | 1 | 202 | 202 ± 0.0 | 0.0 | 101.0 |
| | 2 | 202 | | | |
| | 3 | 202 | | | |

判定基準 : 含有率が 90.0~110.0%, 相対標準偏差が 5.0%以下の場合を適とする。
 合否判定 : 適
 備考 : -

試験施設 株式会社 化合物安全性研究所

化学分析担当者 :

2013 年 11 月 29 日

化学分析責任者 :

2013 年 11 月 29 日

調製液（投与液）の濃度分析方法

1 使用機器

高速液体クロマトグラフ（HPLC）装置

日立システム

| | | |
|------------------|------------|----------------|
| UV-VIS Detector | L-4200 | 株式会社 日立製作所 |
| Intelligent Pump | L-6200 | 株式会社 日立製作所 |
| Column Oven | L-5025 | 株式会社 日立製作所 |
| Autosampler | AS-2000 | 株式会社 日立製作所 |
| Degasser | ERC-3315 α | 株式会社 イーアールシー |
| HPLC データ処理装置 | Empower 2 | 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・ディ |

2 標準物質（冷蔵、遮光、気密）

m-エチルフェノール（被験物質） BCBH7589V, BCBD8341V¹⁾ SIGMA-ALDRICH

1) 調製液の調製に使用したロット番号を使用した。

3 試薬

| | | |
|------------------|------------------|------------|
| 蒸留水 | 大量分取液体クロマトグラフィー用 | 関東化学株式会社 |
| アセトニトリル | HPLC 用 | 関東化学株式会社 |
| テトラヒドロフラン（安定剤不含） | | |
| | HPLC 用 | 和光純薬工業株式会社 |

4 試薬の調製（調製日を 0 日として起算した）

4.1 移動相

蒸留水 520 mL にアセトニトリル 380 mL およびテトラヒドロフラン 100 mL を加えて十分に混合した。調製後は室温に保存し、1 日以内（使用期限：4 週間以内）に使用した。

4.2 オートサンプラー洗浄液

テトラヒドロフラン 140 mL に蒸留水 60 mL を加えて十分に混合した。調製後は室温に保存し、1 日以内（使用期限：4 週間以内）に使用した。

4.3 洗浄用注入液

テトラヒドロフランそのものを使用した。

5 標準溶液の調製および測定

被験物質の約 20 μL を精密に量り、テトラヒドロフランを加えて正確に 20 mL とした (標準原液 1). 標準原液 1 の 1 mL を正確に量り、テトラヒドロフランを加えて正確に 10 mL とした (標準原液 2). 標準原液 2 の 1 mL を正確に量り、テトラヒドロフランを加えて正確に 10 mL とした (STD, 約 10 μg/mL). 標準原液および標準溶液の調製は 1 回とした. 標準溶液の HPLC への注入は 3 回とし、オートサンプラー内保存後 8 時間以内に測定した(規定時間 : 24 時間以内).

6 試料溶液の調製および測定

各調製液の採取点数は、調製液から 3 点とした. 試料溶液の調製は 1 点につき 1 回とした. 試料溶液の HPLC への注入は各 1 回とし、オートサンプラー内保存後 7 時間以内に測定した(規定時間 : 24 時間以内).

6.1 試料溶液 (20 mg/mL 調製液)

20 mg/mL 調製液 1 mL を採取し、テトラヒドロフランを加えて正確に 20 mL とした. この溶液 1 mL を採取し、テトラヒドロフランを加えて正確に 10 mL とした. さらにこの溶液 1 mL を正確に量り、テトラヒドロフランを加えて正確に 10 mL とした (約 10 μg/mL).

6.2 試料溶液 (60 mg/mL 調製液)

60 mg/mL 調製液 0.5 mL を採取し、テトラヒドロフランを加えて正確に 30 mL とした. この溶液 1 mL を採取し、テトラヒドロフランを加えて正確に 10 mL とした. さらにこの溶液 1 mL を正確に量り、テトラヒドロフランを加えて正確に 10 mL とした (約 10 μg/mL).

6.3 試料溶液 (200 mg/mL 調製液)

200 mg/mL 調製液 0.5 mL を採取し、テトラヒドロフランを加えて正確に 100 mL とした. この溶液 1 mL を正確に量り、テトラヒドロフランを加えて正確に 10 mL とした. さらにこの溶液 1 mL を正確に量り、テトラヒドロフランを加えて正確に 10 mL とした (約 10 μg/mL).

7 HPLC 条件

| | |
|-------------|---|
| カラム | : Inertsil ODS-2, 5 μm, 4.6 mmID × 250 mm, ジーエルサイエンス株式会社 |
| 移動相 | : 蒸留水 / アセトニトリル / テトラヒドロフラン (52 : 38 : 10) |
| オートサンプラー洗浄液 | : テトラヒドロフラン / 蒸留水 (70 : 30) |
| 洗浄用注入液 | : テトラヒドロフラン |
| 流量 | : 1 mL/min |
| 測定波長 | : 228 nm |
| カラム温度 | : 40°C |

注入量 : 10 μL
 オートサンプラー温度 : 10°C
 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を繰り返し 6 回注入した。被験物質のピーク面積および保持時間について相対標準偏差を求めた。

9 計算

Empower 2 を用いて標準溶液中の m-エチルフェノールのピーク面積と濃度から作成した検量線より試料溶液の測定濃度を求め、以下の式より調製液濃度（調製液中の被験物質濃度）、調製液濃度の平均値、標準偏差、相対標準偏差を求め、さらに含有率を求めた。

$$\text{調製液濃度 (mg/mL)} = [\text{測定濃度}(\mu\text{g/mL}) \times \text{希釈係数}] / 1000$$

希釈係数 : 20 mg/mL 調製液 ; 2000, 60 mg/mL 調製液 ; 6000, 200 mg/mL 調製液 ; 20000

$$\text{相対標準偏差 (\%)} = (\text{標準偏差} / \text{平均値}) \times 100$$

$$\text{含有率 (\%)} = (\text{調製液濃度平均値} / \text{調製液の表示濃度}) \times 100$$

10 数値の取扱い

四捨五入して以下の表示値とした。平均値、標準偏差および相対標準偏差を求める場合は四捨五入し、平均値は下記と同じ桁数、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。

| 項目 (単位) | 表示値 |
|---|--|
| 秤量値 (g) | 小数点以下第 4 位 (天秤の読み取り桁数) |
| 保持時間 (分) | 小数点以下第 3 位 |
| ピーク面積 ($\mu\text{V 秒}$) | 整数 |
| 標準溶液濃度、試料溶液濃度、 測定濃度、調製液濃度 ($\mu\text{g/mL}$ または mg/mL) | 有効数字 3 桁 (標準溶液濃度は標準物質の秤量値より算出。3 桁以上の中数となる場合は小数点以下第 1 位を四捨五入して整数表示とした) |
| 含有率 (%) | 小数点以下第 1 位 |

11 判定基準

- (1) 濃度確認試験：含有率が 90.0 ~ 110.0%，相対標準偏差が 5.0% 以下の場合を適とした。
- (2) システム適合性試験：相対標準偏差が 2.0% 以下の場合を適とした。本試験では、ピーク面

積における相対標準偏差が 0.2~0.5%，保持時間における相対標準偏差が 0.0%でありいずれも判定基準内であった。