

ケルセン

物質名：ケルセン

表2. 試験結果の概要(1)

| 世代 | | | 親：F0 | | | | | | |
|------------|----------|----------------|-------|-------|-------|-------|-------|----------|-------|
| 投与量(μg/kg) | | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg | |
| 母動物数 | | | 13 | 13 | 13 | 13 | 13 | 13 | |
| 親動物 | 一般状態 | 脱毛 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | 外尿道口周囲/口周囲被毛汚染 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | 流涎 | 0 | 0 | 0 | 0 | 0 | 7 | |
| | | 軟便 | 0 | 0 | 0 | 0 | 0 | 10 | |
| | | 異常出産(死産) | 0 | 0 | 0 | 0 | 1 | 1 | |
| | | 死亡(哺育期間) | 0 | 0 | 0 | 1 | 0 | 1* | |
| | 体重(g) | 妊娠期間 | 0日 | 206.3 | 206.4 | 206.2 | 206.2 | 206.0 | 206.4 |
| | | | ± | 11.3 | 12.1 | 11.8 | 11.8 | 13.0 | 11.2 |
| | | | 7日 | 232.8 | 231.8 | 230.0 | 231.6 | 234.5 | 221.1 |
| | | | ± | 13.6 | 13.1 | 14.0 | 15.4 | 13.1 | 13.2 |
| | | | 14日 | 263.5 | 263.0 | 259.2 | 261.7 | 267.1 | 250.4 |
| | | ± | 15.1 | 15.2 | 16.0 | 16.4 | 16.0 | 13.9 | |
| | | 哺育期間 | 20日 | 325.1 | 318.1 | 317.5 | 323.7 | 324.5 | 312.2 |
| | | | ± | 15.9 | 19.2 | 20.6 | 24.3 | 22.3 | 15.1 |
| | | | 0日 | 250.2 | 251.4 | 245.7 | 248.6 | 248.3 | 233.3 |
| | | | ± | 15.6 | 16.8 | 16.0 | 20.5 | 17.6 | 15.8 |
| | 7日 | | 275.5 | 274.3 | 273.3 | 276.1 | 277.5 | 270.8 | |
| | ± | 14.2 | 13.6 | 20.5 | 15.9 | 24.1 | 16.8 | | |
| | 体重増加量(g) | 妊娠期間 | 14日 | 281.1 | 283.2 | 277.8 | 280.9 | 281.2 | 279.6 |
| | | | ± | 14.0 | 11.5 | 14.5 | 15.8 | 20.7 | 16.4 |
| | | | 21日 | 266.7 | 268.5 | 267.2 | 263.3 | 267.2 | 271.3 |
| ± | | 12.5 | 14.6 | 16.7 | 16.9 | 20.0 | 17.8 | | |
| 哺育期間 | | 0-7日 | 26.5 | 25.5 | 23.8 | 25.4 | 28.5 | 14.7 | |
| | ± | 4.1 | 5.0 | 6.0 | 5.1 | 6.7 | 6.5 | | |
| | 0-14日 | 57.2 | 56.6 | 53.0 | 55.5 | 61.1 | 44.0 | | |
| | ± | 7.7 | 8.2 | 8.4 | 7.9 | 11.7 | 7.0 | | |
| | 0-20日 | 118.8 | 111.7 | 111.2 | 117.5 | 118.5 | 105.8 | | |
| | ± | 11.6 | 13.7 | 12.4 | 14.4 | 17.0 | 15.5 | | |
| 摂餌量(g/day) | 妊娠期間 | 0-7日 | 25.3 | 22.9 | 27.6 | 27.5 | 29.2 | 37.5 | |
| | | ± | 15.1 | 8.2 | 10.7 | 12.5 | 15.5 | 15.5 | |
| | | 0-14日 | 30.8 | 31.8 | 32.2 | 32.3 | 32.8 | 46.3 | |
| | ± | 15.7 | 9.7 | 8.5 | 14.4 | 14.5 | 14.5 | | |
| | 哺育期間 | 0-21日 | 16.5 | 17.2 | 21.5 | 11.7 | 18.8 | 38.1 | |
| | | ± | 15.5 | 13.6 | 12.1 | 15.3 | 18.4 | 15.7 | |
| 0-7日 | | 20.5 | 20.5 | 20.0 | 20.2 | 20.4 | 15.2 | | |
| 摂餌量(g/day) | 妊娠期間 | ± | 2.1 | 2.4 | 1.7 | 2.2 | 1.6 | 1.7 | |
| | | 7-14日 | 23.3 | 23.1 | 22.7 | 22.8 | 23.0 | 20.5 | |
| | | ± | 3.0 | 2.3 | 2.2 | 2.2 | 2.0 | 1.9 | |
| | 哺育期間 | 14-20日 | 23.3 | 22.0 | 21.7 | 22.8 | 22.7 | 21.5 | |
| | | ± | 2.4 | 1.4 | 1.6 | 2.3 | 2.0 | 2.4 | |
| | | 0-7日 | 34.6 | 32.0 | 33.3 | 34.3 | 34.6 | 31.7 | |
| 哺育期間 | ± | 4.9 | 3.8 | 5.4 | 4.3 | 4.6 | 6.3 | | |
| | 7-14日 | 52.9 | 48.5 | 50.2 | 51.8 | 53.4 | 48.0 | | |
| | ± | 5.0 | 4.9 | 5.2 | 4.4 | 6.1 | 9.2 | | |
| 哺育期間 | 14-21日 | 61.5 | 56.4 | 59.6 | 59.9 | 61.5 | 54.5 | | |
| | ± | 6.7 | 6.3 | 8.6 | 6.5 | 6.1 | 11.1 | | |

および：統計学的に有意な高値(それぞれp 0.05およびp 0.01)。

および：統計学的に有意な低値(それぞれp 0.05およびp 0.01)。

*: 投与過誤による死亡。

物質名: ケルセン

表2. 試験結果の概要 (続き - 2)

| 世代 | | | 親: F0 | | | | | |
|-----------------------------------|----------------|--------------------|-------|------|------|------|------|----------|
| 投与量(μg/kg) | | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg |
| 母動物数 | | | 13 | 13 | 13 | 13 | 13 | 13 |
| 親動物 | 繁殖成績 | 受胎率(%) | 100 | 100 | 100 | 100 | 100 | 100 |
| | | 出産率(%) | 100 | 100 | 100 | 100 | 92.3 | 92.3 |
| | | 分娩率(%) | 95.7 | 87.5 | 94.1 | 94.0 | 94.7 | 94.4 |
| | | ± | 6.0 | 17.4 | 6.5 | 6.7 | 6.2 | 6.6 |
| | | 妊娠期間(日) | 22.1 | 22.1 | 22.2 | 22.2 | 22.1 | 22.0 |
| | | ± | 0.3 | 0.5 | 0.6 | 0.4 | 0.3 | 0.4 |
| | | 着床数 | 12.6 | 12.0 | 11.5 | 12.5 | 12.6 | 12.2 |
| | ± | 1.7 | 1.9 | 1.3 | 1.1 | 2.3 | 1.5 | |
| | 出産児数 | 12.1 | 10.5 | 10.8 | 11.8 | 11.9 | 11.4 | |
| | ± | 1.8 | 2.6 | 1.3 | 1.8 | 2.3 | 1.8 | |
| | 剖検所見 (19週齢) | 途中死亡動物数 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | 胸腺の萎縮 ^a | - | - | - | 1 | - | 0 |
| | | 脾臓の萎縮 ^a | - | - | - | 1 | - | 0 |
| 十二指腸、空腸、回腸 の内容物増加 ^a | | - | - | - | 1 | - | 0 | |
| 回腸の捻転および暗赤 色内容物 ^a | | - | - | - | 1 | - | 0 | |
| 膀胱の血尿貯留 ^a | | - | - | - | 1 | - | 0 | |
| 左肺、副葉、右肺後葉 と横隔膜癒合 ^a | | - | - | - | 0 | - | 1 | |
| 副腎の肥大 ^a | | - | - | - | 0 | - | 1 | |
| 最終生存動物数 | | 13 | 13 | 13 | 12 | 13 | 12 | |
| 甲状腺の肥大(両側) | | 0 | 2 | 3 | 1 | 0 | 0 | |
| 肝臓肥大 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| 腎盂拡張(片側) | 0 | 0 | 1 | 0 | 0 | 0 | | |

a: 途中死亡動物の所見。

- : 該当するデータなし。

物質名: ケルセン

表2. 試験結果の概要 (続き - 3)

| 世代 | | | 親: F0 | | | | | |
|--------------------------------|-----------------------------|-------------------------|-------|-------|-------|-------|-------|----------|
| 投与量($\mu\text{g}/\text{kg}$) | | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg |
| 母動物数 | | | 13 | 13 | 13 | 12 | 12 | 12 |
| 親動物 | 臓器重量 (絶対重量) (19週齢) | 体重(g) | 250.4 | 251.2 | 250.8 | 246.1 | 250.5 | 247.1 |
| | | \pm | 18.0 | 14.0 | 22.2 | 17.1 | 18.2 | 16.3 |
| | | 脳(g) | 1.90 | 1.89 | 1.91 | 1.87 | 1.90 | 1.91 |
| | | \pm | 0.07 | 0.06 | 0.05 | 0.06 | 0.07 | 0.08 |
| | | 下垂体(mg) | 11.8 | 12.3 | 12.8 | 12.3 | 13.8 | 12.2 |
| | | \pm | 1.0 | 1.1 | 1.8 | 1.1 | 2.1 | 1.1 |
| | | 甲状腺(mg) | 16.5 | 18.7 | 22.5 | 17.3 | 18.5 | 19.6 |
| | | \pm | 2.3 | 9.6 | 10.8 | 5.7 | 2.3 | 3.1 |
| | | 胸腺(mg) | 173 | 177 | 184 | 172 | 146 | 175 |
| | | \pm | 73 | 74 | 73 | 42 | 47 | 72 |
| | | 肝臓(g) | 11.86 | 11.86 | 11.52 | 11.95 | 12.37 | 14.12 |
| | | \pm | 1.50 | 1.09 | 1.98 | 1.59 | 2.06 | 1.64 |
| | | 腎臓(g) | 1.89 | 1.85 | 1.84 | 1.82 | 1.89 | 2.03 |
| | | \pm | 0.11 | 0.08 | 0.13 | 0.13 | 0.18 | 0.17 |
| | 脾臓(g) | 0.54 | 0.53 | 0.52 | 0.51 | 0.53 | 0.52 | |
| | \pm | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | 0.08 | |
| | 副腎(mg) | 92.3 | 86.7 | 82.9 | 78.5 | 86.8 | 85.8 | |
| | \pm | 12.6 | 9.3 | 13.4 | 12.8 | 10.4 | 14.1 | |
| | 卵巣(mg) | 93.8 | 88.8 | 90.6 | 93.3 | 88.3 | 83.3 | |
| | \pm | 4.9 | 14.2 | 10.8 | 7.7 | 6.2 | 10.8 | |
| | 子宮(g) | 0.84 | 0.91 | 0.84 | 0.90 | 0.83 | 0.67 | |
| | \pm | 0.18 | 0.20 | 0.21 | 0.18 | 0.19 | 0.24 | |
| | 臓器重量 (相対重量)(%) (19週齢) | 脳 | 0.763 | 0.754 | 0.767 | 0.762 | 0.762 | 0.777 |
| | | \pm | 0.051 | 0.037 | 0.063 | 0.063 | 0.066 | 0.057 |
| | | 下垂体($\times 10^{-3}$) | 4.71 | 4.90 | 5.12 | 5.04 | 5.55 | 4.98 |
| | | \pm | 0.51 | 0.43 | 0.77 | 0.70 | 0.97 | 0.61 |
| 甲状腺($\times 10^{-3}$) | | 6.65 | 7.45 | 9.06 | 7.04 | 7.39 | 7.93 | |
| \pm | | 1.10 | 3.84 | 4.51 | 2.21 | 0.99 | 1.17 | |
| 胸腺($\times 10^{-3}$) | | 70.2 | 70.6 | 74.6 | 70.0 | 59.1 | 71.2 | |
| \pm | | 31.3 | 29.7 | 31.6 | 18.0 | 21.3 | 29.2 | |
| 肝臓 | | 4.73 | 4.72 | 4.57 | 4.85 | 4.92 | 5.71 | |
| \pm | | 0.39 | 0.33 | 0.45 | 0.45 | 0.59 | 0.45 | |
| 腎臓 | | 0.758 | 0.737 | 0.735 | 0.742 | 0.755 | 0.823 | |
| \pm | | 0.045 | 0.043 | 0.059 | 0.069 | 0.068 | 0.065 | |
| 脾臓 | 0.215 | 0.211 | 0.208 | 0.209 | 0.213 | 0.212 | | |
| \pm | 0.019 | 0.025 | 0.026 | 0.019 | 0.022 | 0.030 | | |
| 副腎($\times 10^{-3}$) | 36.8 | 34.6 | 33.3 | 31.9 | 34.6 | 34.8 | | |
| \pm | 3.4 | 3.7 | 6.0 | 4.6 | 3.0 | 6.0 | | |
| 卵巣($\times 10^{-3}$) | 37.7 | 35.4 | 36.5 | 38.1 | 35.4 | 33.9 | | |
| \pm | 3.8 | 6.1 | 6.1 | 4.1 | 3.3 | 5.1 | | |
| 子宮 | 0.338 | 0.363 | 0.342 | 0.369 | 0.334 | 0.274 | | |
| \pm | 0.077 | 0.088 | 0.113 | 0.092 | 0.075 | 0.110 | | |

および : 統計学的に有意な高値 (それぞれ p 0.05 および p 0.01)。

および : 統計学的に有意な低値 (それぞれ p 0.05 および p 0.01)。

物質名: ケルセン

表2. 試験結果の概要 (続き - 4)

| 世代 | | 親: F0 児: F1 | | | | | | | | |
|--|----------------------|-------------|-----------|-------|-------|-------|----------|-------|------|------|
| 投与量(μg/kg) | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg | | | |
| 観察腹数 | | 13 | 13 | 13 | 13 | 12 | 12 | | | |
| 観察動物数 | | 雄 | 73 | 65 | 79 | 84 | 70 | 65 | | |
| | | 雌 | 84 | 71 | 62 | 69 | 73 | 72 | | |
| 児動物 | 性比(雄/雄 + 雌) | | 0.465 | 0.478 | 0.560 | 0.549 | 0.490 | 0.474 | | |
| | 一般状態 | 雄 | 水晶体混濁(両側) | | | | | | | |
| | | 雌 | 左足/尾先端黒色化 | | | | | | | |
| | | 雌 | 左足/尾先端欠落 | | | | | | | |
| | 生存率 (%) | | 哺育0日 | 100 | 100 | 100 | 99.4 | 92.3 | 91.5 | |
| | | | 哺育4日 | 99.3 | 99.4 | 99.4 | 100 | 100 | 89.9 | |
| | | | 哺育21日 | 100 | 100 | 100 | 100 | 100 | 92.5 | |
| | 体重(g) | | 雄 | 哺育0日 | 5.9 | 5.9 | 6.0 | 5.9 | 6.1 | 5.8 |
| | | | | ± | 0.5 | 0.6 | 0.7 | 0.5 | 0.4 | 0.6 |
| | | | | 哺育4日 | 9.7 | 10.1 | 10.0 | 9.9 | 10.0 | 8.2 |
| | | | | ± | 0.9 | 1.2 | 1.4 | 1.1 | 1.1 | 1.3 |
| | | | | 哺育7日 | 14.1 | 14.6 | 14.3 | 14.2 | 14.4 | 11.0 |
| | | | | ± | 1.2 | 2.0 | 1.9 | 1.5 | 1.6 | 2.1 |
| | | | 雌 | 哺育14日 | 25.2 | 26.6 | 25.6 | 25.5 | 25.7 | 21.0 |
| | | | | ± | 2.2 | 3.9 | 3.1 | 2.5 | 3.2 | 2.3 |
| | | | | 哺育21日 | 39.4 | 41.8 | 40.7 | 41.1 | 41.2 | 35.5 |
| | | | | ± | 3.6 | 5.8 | 5.8 | 4.8 | 5.6 | 3.5 |
| | | | | 哺育0日 | 5.5 | 5.7 | 5.7 | 5.6 | 5.8 | 5.4 |
| | | | | ± | 0.5 | 0.5 | 0.6 | 0.4 | 0.4 | 0.5 |
| | 肛門生殖突起間距離 (mm)(哺育4日) | | 雄 | ± | 0.24 | 0.35 | 0.48 | 0.22 | 0.31 | 0.43 |
| | | | | 雌 | 2.66 | 2.70 | 2.67 | 2.73 | 2.66 | 2.58 |
| ± | | | | 0.08 | 0.16 | 0.15 | 0.12 | 0.12 | 0.19 | |
| 肛門生殖突起間距離 / (体重) ^{1/3} (哺育4日) | | | 雄 | 2.34 | 2.34 | 2.34 | 2.33 | 2.32 | 2.41 | |
| | | | ± | 0.10 | 0.13 | 0.14 | 0.12 | 0.11 | 0.15 | |
| | | | 雌 | 1.28 | 1.26 | 1.26 | 1.29 | 1.25 | 1.30 | |
| ± | 0.05 | 0.06 | 0.04 | 0.04 | 0.04 | 0.07 | | | | |

および : 統計学的に有意な低値 (それぞれ p 0.05および p 0.01)。

物質名: ケルセン

表2. 試験結果の概要 (続き - 5)

| 世代 | | | 親: F0 児: F1 | | | | | | | |
|----------------------|----------------|-------|-------------|---------------|------|------|------|----------|------|----|
| 投与量(μg/kg) | | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg | | |
| 観察腹数 | | | 雄 | 13 | 13 | 13 | 13 | 12 | 12 | |
| | | | 雌 | 13 | 13 | 13 | 13 | 12 | 12 | |
| 児動物 | 身体発達 (達成日齢) | 耳介開展 | 雄 | 2.8 | 2.6 | 2.6 | 2.4 | 2.7 | 3.0 | |
| | | | ± | 0.4 | 0.6 | 0.6 | 0.5 | 0.4 | 0.8 | |
| | | 切歯萌出 | 雄 | 11.5 | 11.4 | 11.5 | 11.2 | 11.6 | 11.7 | |
| | | | ± | 0.4 | 0.7 | 1.0 | 0.5 | 0.6 | 0.3 | |
| | | 眼瞼開裂 | 雄 | 14.7 | 14.7 | 14.4 | 14.4 | 14.7 | 14.7 | |
| | | | ± | 0.4 | 0.5 | 0.7 | 0.5 | 0.6 | 0.7 | |
| | 剖検所見 (21日齢) | 観察腹数 | | 7 | 7 | 7 | 6 | 6 | 6 | |
| | | 観察動物数 | | 雄 | 44 | 30 | 46 | 45 | 36 | 26 |
| | | | | 雌 | 45 | 44 | 33 | 29 | 39 | 27 |
| | | 雄 | 小脳小型 | | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | 水晶体混濁 | | 0 | 0 | 0 | 2 | 0 | 0 |
| | | | 脾臓の萎縮 | | 0 | 0 | 1 | 0 | 0 | 0 |
| 肝臓黄褐色化 | | | 0 | 0 | 0 | 0 | 0 | 1 | | |
| 腎盂拡張(片側) | | | 4 | 3 | 7 | 0 | 2 | 1 | | |
| 腎盂拡張(両側) | | | 3 | 0 | 0 | 0 | 0 | 0 | | |
| 雌 | 小脳小型 | | 0 | 0 | 2 | 0 | 0 | 0 | | |
| | 脾臓の萎縮 | | 0 | 0 | 2 | 0 | 0 | 0 | | |
| | 腎盂拡張(片側) | | 4 | 4 | 3 | 2 | 0 | 1 | | |
| | 腎盂拡張(両側) | | 7 | 5 | 2 | 0 | 0 | 1 | | |
| | 左足/尾先端欠落 | | 1 | 0 | 0 | 0 | 0 | 0 | | |
| | | | | | | | | | | |
| 剖検所見 (哺育途中 死亡) | 観察動物数 | | 雄 | 0 | 0 | 0 | 3* | 0 | 7 | |
| | | | 雌 | 0 | 0 | 0 | 10* | 1 | 12 | |
| | | | 性不明 | 0 | 0 | 0 | 0 | 0 | 2 | |
| | | | 雄 | 異常所見は認められなかった | | | | | | |
| | | | 雌 | 異常所見は認められなかった | | | | | | |
| | | | 性不明 | 異常所見は認められなかった | | | | | | |

: 統計学的に有意な低値 (p < 0.05)。

*: 母動物死亡のため屠殺。

物質名: ケルセン

表2. 試験結果の概要 (続き - 6)

| 世代 | | 親: F0 児: F1 | | | | | | | |
|------------|--------------------------|-------------|---------|------|------|------|----------|------|------|
| 投与量(μg/kg) | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg | | |
| 観察腹数 | | 7 | 7 | 7 | 6 | 6 | 6 | | |
| 観察動物数 | | 雄 | 44 | 30 | 46 | 45 | 36 | 26 | |
| | | 雌 | 45 | 44 | 33 | 29 | 39 | 27 | |
| 児動物 | 臓器重量 (絶対重量) (21日齢) | 雄 | 体重(g) | 39.0 | 43.1 | 39.6 | 39.2 | 39.4 | 34.4 |
| | | | ± | 4.0 | 6.0 | 5.2 | 5.3 | 6.7 | 2.9 |
| | | | 脳(g) | 1.44 | 1.46 | 1.43 | 1.43 | 1.45 | 1.38 |
| | | | ± | 0.06 | 0.05 | 0.05 | 0.06 | 0.07 | 0.06 |
| | | | 下垂体(mg) | 1.5 | 1.6 | 1.5 | 1.4 | 1.5 | 1.3 |
| | | | ± | 0.2 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 |
| | | | 甲状腺(mg) | 5.7 | 5.7 | 5.7 | 5.7 | 5.5 | 5.9 |
| | | | ± | 0.7 | 1.1 | 0.6 | 0.7 | 0.9 | 0.8 |
| | | | 胸腺(mg) | 145 | 159 | 151 | 149 | 146 | 131 |
| | | | ± | 22 | 27 | 29 | 29 | 33 | 6 |
| | | | 肝臓(g) | 1.44 | 1.56 | 1.43 | 1.43 | 1.53 | 1.50 |
| | | | ± | 0.20 | 0.24 | 0.24 | 0.24 | 0.28 | 0.13 |
| | | | 腎臓(g) | 0.44 | 0.45 | 0.43 | 0.42 | 0.43 | 0.34 |
| | | | ± | 0.06 | 0.06 | 0.07 | 0.06 | 0.08 | 0.02 |
| | | | 脾臓(mg) | 164 | 198 | 162 | 155 | 152 | 120 |
| | | ± | 25 | 41 | 47 | 45 | 43 | 20 | |
| | | 副腎(mg) | 13.9 | 15.3 | 14.0 | 14.5 | 14.3 | 11.8 | |
| | | ± | 1.8 | 2.5 | 1.2 | 2.6 | 3.2 | 2.0 | |
| | | 精巣(mg) | 194 | 213 | 197 | 200 | 196 | 154 | |
| | | ± | 25 | 32 | 25 | 21 | 33 | 25 | |
| | | 精巣上体(mg) | 33.6 | 35.4 | 33.3 | 33.3 | 32.5 | 29.7 | |
| | | ± | 4.2 | 3.4 | 2.8 | 3.0 | 5.4 | 2.7 | |
| | | 精囊・凝固腺(mg) | 19.7 | 21.1 | 19.6 | 20.8 | 19.7 | 16.7 | |
| | | ± | 2.1 | 2.9 | 2.4 | 1.9 | 3.1 | 1.0 | |
| | | 前立腺(mg) | 22.6 | 25.9 | 23.1 | 21.3 | 21.7 | 17.5 | |
| | | ± | 1.6 | 5.9 | 2.7 | 3.3 | 4.2 | 2.3 | |
| | | 雌 | 体重(g) | 37.2 | 42.0 | 38.2 | 38.8 | 37.3 | 35.5 |
| ± | 4.6 | | 6.5 | 5.6 | 4.7 | 6.4 | 2.1 | | |
| 脳(g) | 1.39 | | 1.42 | 1.39 | 1.39 | 1.40 | 1.35 | | |
| ± | 0.05 | | 0.05 | 0.06 | 0.05 | 0.07 | 0.06 | | |
| 下垂体(mg) | 1.4 | | 1.5 | 1.5 | 1.6 | 1.5 | 1.4 | | |
| ± | 0.2 | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | |
| 甲状腺(mg) | 6.0 | | 5.7 | 6.0 | 6.1 | 5.8 | 5.9 | | |
| ± | 0.8 | | 1.2 | 0.9 | 0.3 | 0.5 | 1.0 | | |
| 胸腺(mg) | 146 | | 158 | 150 | 146 | 141 | 135 | | |
| ± | 28 | | 39 | 39 | 20 | 37 | 15 | | |
| 肝臓(g) | 1.31 | | 1.46 | 1.32 | 1.37 | 1.34 | 1.52 | | |
| ± | 0.20 | | 0.24 | 0.29 | 0.18 | 0.21 | 0.16 | | |
| 腎臓(g) | 0.43 | 0.46 | 0.42 | 0.43 | 0.41 | 0.36 | | | |
| ± | 0.08 | 0.07 | 0.07 | 0.06 | 0.07 | 0.02 | | | |
| 脾臓(mg) | 159 | 194 | 147 | 153 | 146 | 127 | | | |
| ± | 26 | 51 | 46 | 37 | 48 | 18 | | | |
| 副腎(mg) | 14.0 | 15.9 | 14.3 | 15.8 | 14.7 | 13.0 | | | |
| ± | 1.5 | 2.3 | 1.4 | 2.3 | 3.0 | 1.4 | | | |
| 卵巣(mg) | 14.6 | 16.6 | 14.3 | 14.2 | 14.2 | 12.2 | | | |
| ± | 3.0 | 2.8 | 2.8 | 1.2 | 3.3 | 1.9 | | | |
| 子宮(mg) | 29.4 | 32.0 | 29.0 | 30.8 | 27.8 | 29.3 | | | |
| ± | 3.8 | 5.5 | 3.2 | 2.6 | 4.4 | 2.1 | | | |

物質名: ケルセン

表2. 試験結果の概要 (続き - 7)

| 世代 | | 親: F0 児: F1 | | | | | | | |
|-------------------------|----------------------------|----------------------------|-------------------------|------|------|------|----------|------|------|
| 投与量(μg/kg) | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg | | |
| 観察腹数 | | 7 | 7 | 7 | 6 | 6 | 6 | | |
| 観察動物数 | | | | | | | | | |
| | | 雄 | 44 | 30 | 46 | 45 | 36 | 26 | |
| | | 雌 | 45 | 44 | 33 | 29 | 39 | 27 | |
| 児動物 | 臓器重量 (相対重量,%) (21日齢) | 雄 | 脳 | 3.72 | 3.43 | 3.67 | 3.70 | 3.76 | 4.04 |
| | | | ± | 0.30 | 0.47 | 0.41 | 0.35 | 0.54 | 0.30 |
| | | | 下垂体(×10 ⁻³) | 3.87 | 3.76 | 3.91 | 3.68 | 3.82 | 3.70 |
| | | | ± | 0.36 | 0.47 | 0.33 | 0.34 | 0.63 | 0.52 |
| | | | 甲状腺(×10 ⁻³) | 14.7 | 13.4 | 14.6 | 14.7 | 14.2 | 17.2 |
| | | | ± | 1.7 | 2.5 | 2.5 | 1.8 | 2.3 | 2.1 |
| | | | 胸腺(×10 ⁻³) | 371 | 369 | 377 | 378 | 368 | 384 |
| | | | ± | 42 | 25 | 32 | 34 | 36 | 27 |
| | | | 肝臓 | 3.67 | 3.60 | 3.59 | 3.64 | 3.86 | 4.37 |
| | | | ± | 0.20 | 0.10 | 0.18 | 0.15 | 0.22 | 0.19 |
| | | | 腎臓 | 1.11 | 1.04 | 1.08 | 1.07 | 1.09 | 1.00 |
| | | | ± | 0.08 | 0.04 | 0.06 | 0.04 | 0.04 | 0.03 |
| | | | 脾臓(×10 ⁻³) | 418 | 457 | 403 | 388 | 378 | 349 |
| | | | ± | 26 | 54 | 79 | 69 | 52 | 53 |
| | | 副腎(×10 ⁻³) | 34.9 | 35.1 | 35.4 | 37.2 | 36.0 | 34.0 | |
| | | ± | 3.1 | 1.6 | 3.7 | 1.8 | 3.9 | 5.3 | |
| | | 精巣(×10 ⁻³) | 497 | 493 | 496 | 513 | 497 | 448 | |
| | | ± | 30 | 17 | 25 | 32 | 27 | 56 | |
| | | 精巣上体(×10 ⁻³) | 86.2 | 82.1 | 85.6 | 85.8 | 83.0 | 86.2 | |
| | | ± | 6.1 | 6.9 | 9.4 | 8.9 | 9.4 | 5.6 | |
| | | 精囊・凝固腺(×10 ⁻³) | 50.8 | 49.3 | 49.5 | 53.2 | 50.1 | 48.2 | |
| | | ± | 3.9 | 5.1 | 5.4 | 5.0 | 5.7 | 2.5 | |
| | | 前立腺(×10 ⁻³) | 57.7 | 60.5 | 58.6 | 55.1 | 54.8 | 51.0 | |
| | | ± | 2.5 | 10.5 | 5.5 | 4.6 | 8.3 | 7.6 | |
| | | 雌 | 脳 | 3.78 | 3.45 | 3.72 | 3.62 | 3.85 | 3.82 |
| | | | ± | 0.36 | 0.46 | 0.49 | 0.34 | 0.51 | 0.31 |
| | | | 下垂体(×10 ⁻³) | 3.87 | 3.53 | 3.91 | 4.00 | 4.13 | 3.78 |
| | | | ± | 0.40 | 0.25 | 0.38 | 0.34 | 0.53 | 0.50 |
| 甲状腺(×10 ⁻³) | 16.0 | | 13.6 | 16.0 | 16.0 | 16.1 | 16.7 | | |
| ± | 0.8 | | 1.5 | 3.6 | 2.3 | 3.0 | 3.6 | | |
| 胸腺(×10 ⁻³) | 392 | | 372 | 387 | 377 | 373 | 382 | | |
| ± | 46 | | 42 | 57 | 26 | 44 | 36 | | |
| 肝臓 | 3.52 | | 3.46 | 3.41 | 3.54 | 3.61 | 4.28 | | |
| ± | 0.24 | | 0.14 | 0.32 | 0.15 | 0.21 | 0.25 | | |
| 腎臓 | 1.16 | | 1.10 | 1.10 | 1.12 | 1.10 | 1.00 | | |
| ± | 0.08 | | 0.04 | 0.06 | 0.05 | 0.04 | 0.08 | | |
| 脾臓(×10 ⁻³) | 427 | | 458 | 377 | 391 | 381 | 357 | | |
| ± | 31 | | 64 | 79 | 57 | 67 | 47 | | |
| 副腎(×10 ⁻³) | 38.3 | 38.1 | 38.2 | 40.7 | 39.1 | 36.7 | | | |
| ± | 3.7 | 2.6 | 4.3 | 1.9 | 4.4 | 4.2 | | | |
| 卵巣(×10 ⁻³) | 38.8 | 39.3 | 36.9 | 36.7 | 37.5 | 34.3 | | | |
| ± | 5.2 | 1.4 | 4.6 | 3.9 | 3.8 | 5.7 | | | |
| 子宮(×10 ⁻³) | 78.8 | 76.2 | 76.8 | 79.9 | 75.0 | 83.2 | | | |
| ± | 7.6 | 5.2 | 10.2 | 8.1 | 6.9 | 8.6 | | | |

:統計学的に有意な高値 (p < 0.01)。

および :統計学的に有意な低値 (それぞれp < 0.05およびp < 0.01)。

物質名: ケルセン

表2. 試験結果の概要 (続き - 8)

| 世代 | | 児: F1 | | | | | | |
|------------|-------|-------|---------------|-------|-------|-------|----------|-------|
| 投与量(μg/kg) | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg | |
| 観察腹数 | | 6 | 6 | 6 | 6 | 6 | 6 | |
| 観察動物数 | | 雄 | 28 | 34 | 33 | 36 | 34 | 32 |
| | | 雌 | 39 | 27 | 28 | 30 | 34 | 29 |
| 児動物 | 一般状態 | 雄 | 異常所見は認められなかった | | | | | |
| | | 雌 | 異常所見は認められなかった | | | | | |
| 死亡 | | 雄 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 雌 | 0 | 0 | 0 | 0 | 0 | 0 |
| 体重(g) | 雄 | 3週齢 | 40.0 | 40.2 | 41.9 | 43.1 | 42.9 | 36.6 |
| | | ± | 3.4 | 5.6 | 6.8 | 3.8 | 4.2 | 4.0 |
| | | 4週齢 | 74.8 | 75.1 | 76.4 | 80.0 | 79.3 | 71.4 |
| | | ± | 6.4 | 9.5 | 10.3 | 5.6 | 7.9 | 8.2 |
| | | 5週齢 | 119.8 | 122.4 | 121.5 | 126.4 | 122.9 | 115.5 |
| | | ± | 8.3 | 12.7 | 14.1 | 7.2 | 14.7 | 11.4 |
| | | 6週齢 | 165.3 | 169.5 | 167.6 | 173.0 | 171.4 | 159.0 |
| | | ± | 10.1 | 18.6 | 15.3 | 8.9 | 15.8 | 14.5 |
| | | 7週齢 | 207.8 | 213.6 | 210.4 | 216.4 | 215.2 | 203.5 |
| | | ± | 11.7 | 22.2 | 16.3 | 9.0 | 16.3 | 16.1 |
| | | 8週齢 | 250.8 | 258.9 | 253.4 | 261.2 | 257.8 | 249.9 |
| | | ± | 14.6 | 26.8 | 18.1 | 10.1 | 17.9 | 18.1 |
| | 9週齢 | 278.3 | 291.7 | 284.1 | 292.7 | 289.6 | 282.4 | |
| | ± | 23.2 | 30.0 | 18.1 | 11.2 | 19.9 | 18.7 | |
| | 10週齢 | 302.6 | 317.8 | 309.9 | 321.2 | 314.3 | 310.5 | |
| | ± | 22.2 | 33.1 | 16.5 | 12.8 | 20.2 | 21.5 | |
| | 11週齢 | 323.1 | 339.3 | 331.3 | 346.0 | 333.2 | 333.3 | |
| | ± | 24.2 | 35.9 | 16.0 | 14.0 | 19.1 | 23.7 | |
| | 12週齢 | 341.0 | 357.3 | 348.2 | 366.2 | 349.1 | 349.8 | |
| | ± | 28.1 | 39.1 | 16.3 | 15.1 | 19.3 | 22.5 | |
| | 雌 | 3週齢 | 39.4 | 39.4 | 41.3 | 42.0 | 41.5 | 35.5 |
| | | ± | 2.9 | 5.5 | 5.8 | 3.6 | 4.1 | 2.9 |
| | | 4週齢 | 69.7 | 69.0 | 71.0 | 73.9 | 73.3 | 66.9 |
| | | ± | 4.7 | 8.5 | 7.9 | 5.3 | 6.8 | 4.1 |
| 5週齢 | | 105.4 | 105.1 | 105.2 | 109.4 | 110.3 | 101.6 | |
| ± | | 6.2 | 8.8 | 9.3 | 5.9 | 8.5 | 5.1 | |
| 6週齢 | | 131.9 | 129.8 | 130.6 | 135.2 | 135.5 | 128.8 | |
| ± | | 6.9 | 9.0 | 9.5 | 7.5 | 8.4 | 7.9 | |
| 7週齢 | | 151.2 | 149.5 | 150.6 | 155.8 | 155.9 | 151.3 | |
| ± | | 8.6 | 8.5 | 8.6 | 9.3 | 8.9 | 7.9 | |
| 8週齢 | | 171.1 | 170.2 | 169.5 | 175.9 | 174.8 | 171.4 | |
| ± | | 9.6 | 10.8 | 6.9 | 9.9 | 9.3 | 9.0 | |
| 9週齢 | 187.3 | 184.8 | 184.8 | 191.6 | 188.2 | 190.0 | | |
| ± | 11.0 | 11.3 | 7.4 | 10.9 | 8.3 | 12.5 | | |
| 10週齢 | 198.5 | 194.9 | 196.8 | 202.1 | 201.8 | 200.1 | | |
| ± | 12.2 | 12.6 | 6.4 | 12.7 | 9.0 | 11.8 | | |
| 11週齢 | 209.2 | 205.5 | 206.5 | 212.5 | 210.4 | 210.6 | | |
| ± | 12.9 | 12.1 | 5.7 | 15.5 | 9.9 | 13.6 | | |
| 12週齢 | 218.7 | 215.3 | 214.3 | 223.1 | 217.9 | 219.7 | | |
| ± | 13.2 | 13.9 | 6.4 | 16.0 | 10.2 | 14.7 | | |

物質名: ケルセン

表2. 試験結果の概要 (続き - 9)

| 世代 | | | 児: F1 | | | | | | |
|------------|----------|--------|-------|-------|-------|-------|-------|----------|------|
| 投与量(μg/kg) | | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg | |
| 観察腹数 | | | 6 | 6 | 6 | 6 | 6 | 6 | |
| 観察動物数 | | | 雄 | 28 | 34 | 33 | 36 | 34 | 32 |
| | | | 雌 | 39 | 27 | 28 | 30 | 34 | 29 |
| 児動物 | 体重増加量(g) | 雄 | 3-4週齢 | 34.9 | 34.9 | 34.6 | 36.9 | 36.4 | 34.8 |
| | | ± | 3.1 | 4.5 | 3.6 | 2.3 | 3.8 | 4.9 | |
| | | 3-5週齢 | 79.9 | 82.2 | 79.7 | 83.3 | 80.0 | 79.0 | |
| | | ± | 5.4 | 7.7 | 7.4 | 3.7 | 11.5 | 8.2 | |
| | | 3-6週齢 | 125.3 | 129.3 | 125.7 | 129.9 | 128.4 | 122.4 | |
| | | ± | 7.0 | 13.9 | 8.8 | 6.0 | 12.3 | 11.6 | |
| | | 3-7週齢 | 167.8 | 173.4 | 168.6 | 173.3 | 172.3 | 167.0 | |
| | | ± | 8.7 | 17.7 | 9.6 | 6.3 | 12.8 | 13.2 | |
| | | 3-8週齢 | 210.9 | 218.7 | 211.6 | 218.1 | 214.9 | 213.4 | |
| | | ± | 11.5 | 22.3 | 11.5 | 7.6 | 14.2 | 15.3 | |
| | | 3-9週齢 | 238.3 | 251.5 | 242.2 | 249.6 | 246.7 | 245.8 | |
| | | ± | 20.1 | 25.6 | 11.7 | 9.0 | 16.3 | 15.9 | |
| | | 3-10週齢 | 262.6 | 277.6 | 268.0 | 278.1 | 271.3 | 273.9 | |
| | | ± | 19.4 | 28.7 | 10.0 | 10.4 | 16.7 | 18.9 | |
| | | 3-11週齢 | 283.1 | 299.1 | 289.4 | 302.9 | 290.3 | 296.7 | |
| | | ± | 21.6 | 31.5 | 10.4 | 11.6 | 15.6 | 21.2 | |
| | | 3-12週齢 | 301.1 | 317.1 | 306.3 | 323.1 | 306.2 | 313.3 | |
| | | ± | 25.6 | 34.4 | 12.0 | 12.6 | 15.8 | 19.9 | |
| | | 雌 | 3-4週齢 | 30.3 | 29.7 | 29.7 | 31.9 | 31.8 | 31.4 |
| | | ± | 1.8 | 3.2 | 2.1 | 2.2 | 2.8 | 2.1 | |
| | | 3-5週齢 | 66.0 | 65.7 | 64.0 | 67.5 | 68.8 | 66.1 | |
| | | ± | 3.5 | 4.1 | 3.9 | 3.3 | 4.5 | 4.1 | |
| | | 3-6週齢 | 92.5 | 90.4 | 89.4 | 93.2 | 94.0 | 93.4 | |
| | | ± | 4.4 | 4.9 | 4.7 | 4.9 | 4.4 | 7.8 | |
| 3-7週齢 | 111.8 | 110.2 | 109.3 | 113.8 | 114.4 | 115.8 | | | |
| ± | 6.9 | 5.7 | 4.6 | 6.8 | 5.1 | 8.5 | | | |
| 3-8週齢 | 131.7 | 130.8 | 128.3 | 133.9 | 133.3 | 136.0 | | | |
| ± | 7.9 | 8.4 | 4.4 | 7.6 | 5.4 | 9.3 | | | |
| 3-9週齢 | 147.9 | 145.4 | 143.6 | 149.6 | 146.7 | 154.5 | | | |
| ± | 9.8 | 8.5 | 4.7 | 8.5 | 4.3 | 13.0 | | | |
| 3-10週齢 | 159.1 | 155.6 | 155.5 | 160.1 | 160.3 | 164.6 | | | |
| ± | 11.0 | 9.9 | 5.1 | 10.7 | 5.6 | 12.3 | | | |
| 3-11週齢 | 169.8 | 166.1 | 165.3 | 170.5 | 169.0 | 175.2 | | | |
| ± | 11.5 | 10.3 | 5.5 | 12.9 | 6.9 | 14.2 | | | |
| 3-12週齢 | 179.3 | 175.9 | 173.0 | 181.1 | 176.4 | 184.3 | | | |
| ± | 11.4 | 11.3 | 6.1 | 13.9 | 6.9 | 15.1 | | | |

物質名: ケルセン

表2. 試験結果の概要 (続き - 10)

| 世代 | | | 児: F1 | | | | | | |
|------------|----------------|------|-------|-------|-------|-------|-------|----------|-------|
| 投与量(μg/kg) | | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg | |
| 観察腹数 | | | 6 | 6 | 6 | 6 | 6 | 6 | |
| 観察動物数 | | | 雄 | 28 | 34 | 33 | 36 | 34 | 32 |
| | | | 雌 | 39 | 27 | 28 | 30 | 34 | 29 |
| 児動物 | 摂餌量 (g/day) | 雄 | 3-4週齢 | 9.6 | 9.4 | 9.5 | 10.1 | 10.2 | 9.3 |
| | | | ± | 0.6 | 0.7 | 1.0 | 0.5 | 0.9 | 0.9 |
| | | | 4-5週齢 | 14.8 | 15.0 | 15.2 | 15.6 | 15.6 | 14.6 |
| | | | ± | 0.9 | 1.1 | 1.6 | 0.9 | 1.6 | 1.3 |
| | | | 5-6週齢 | 19.1 | 19.5 | 19.2 | 19.7 | 20.1 | 18.5 |
| | | | ± | 1.0 | 1.8 | 1.9 | 0.8 | 1.4 | 1.4 |
| | | | 6-7週齢 | 21.5 | 21.7 | 21.5 | 22.0 | 22.6 | 20.9 |
| | | | ± | 0.9 | 1.9 | 1.8 | 0.6 | 0.9 | 1.2 |
| | | | 7-8週齢 | 23.1 | 23.5 | 23.1 | 23.5 | 24.0 | 23.1 |
| | | | ± | 1.7 | 2.3 | 1.3 | 0.7 | 1.3 | 1.2 |
| | | | 8-9週齢 | 23.6 | 24.1 | 23.7 | 24.5 | 24.8 | 23.6 |
| | | | ± | 2.0 | 2.2 | 1.3 | 0.6 | 1.0 | 1.0 |
| | 9-10週齢 | 23.2 | 23.9 | 23.5 | 24.3 | 24.7 | 23.6 | | |
| | ± | 1.7 | 2.0 | 1.3 | 0.7 | 1.3 | 1.1 | | |
| | 10-11週齢 | 23.4 | 23.9 | 23.6 | 24.8 | 24.3 | 23.9 | | |
| | ± | 1.2 | 2.0 | 1.1 | 0.9 | 1.0 | 1.2 | | |
| | 11-12週齢 | 22.9 | 23.2 | 22.9 | 23.9 | 23.3 | 22.8 | | |
| | ± | 1.6 | 2.2 | 1.0 | 1.2 | 1.2 | 1.1 | | |
| | | 雌 | 3-4週齢 | 9.1 | 8.8 | 8.9 | 9.4 | 9.5 | 8.8 |
| | ± | | 0.6 | 0.9 | 0.7 | 0.6 | 0.7 | 0.7 | |
| | 4-5週齢 | | 13.2 | 13.2 | 13.1 | 13.7 | 13.9 | 12.9 | |
| | ± | | 0.7 | 0.7 | 1.2 | 0.6 | 0.9 | 1.1 | |
| | 5-6週齢 | | 15.6 | 15.2 | 15.0 | 16.0 | 15.9 | 15.4 | |
| | ± | | 0.8 | 0.8 | 1.1 | 1.1 | 0.8 | 1.5 | |
| 6-7週齢 | 16.5 | | 16.1 | 16.0 | 16.8 | 17.0 | 16.6 | | |
| ± | 1.1 | | 1.0 | 0.9 | 1.0 | 0.8 | 1.5 | | |
| 7-8週齢 | 17.2 | | 16.7 | 16.6 | 17.3 | 17.6 | 17.3 | | |
| ± | 1.5 | | 1.4 | 0.5 | 1.4 | 1.2 | 1.4 | | |
| 8-9週齢 | 17.7 | | 17.2 | 17.2 | 17.8 | 18.0 | 17.8 | | |
| ± | 1.5 | | 1.1 | 0.4 | 1.2 | 0.9 | 1.5 | | |
| 9-10週齢 | 17.5 | 17.0 | 17.2 | 18.0 | 18.0 | 17.6 | | | |
| ± | 1.6 | 1.1 | 0.2 | 1.2 | 0.9 | 1.7 | | | |
| 10-11週齢 | 18.1 | 17.5 | 17.2 | 18.1 | 18.2 | 17.9 | | | |
| ± | 1.3 | 1.3 | 0.5 | 0.9 | 0.9 | 1.6 | | | |
| 11-12週齢 | 17.6 | 16.9 | 16.9 | 17.7 | 17.7 | 17.3 | | | |
| ± | 1.7 | 1.4 | 0.3 | 1.2 | 0.9 | 1.4 | | | |
| 性成熟 | 雄 | 包皮分離 | 日齢 | 42.9 | 43.0 | 43.0 | 42.6 | 43.3 | 43.5 |
| | | | ± | 1.2 | 1.5 | 1.1 | 1.3 | 1.6 | 1.2 |
| | | | 体重 | 170.7 | 174.8 | 172.5 | 175.7 | 179.5 | 167.9 |
| | ± | 11.9 | 12.6 | 12.3 | 6.1 | 11.3 | 8.6 | | |
| | 雌 | 膣開口 | 日齢 | 30.5 | 29.5 | 29.4 | 30.1 | 30.3 | 29.6 |
| | | | ± | 0.7 | 1.0 | 0.9 | 1.2 | 0.6 | 1.8 |
| 体重 | | | 82.3 | 76.2 | 78.0 | 84.2 | 85.4 | 75.2 | |
| ± | 7.9 | 5.7 | 7.2 | 4.0 | 4.6 | 12.3 | | | |

物質名: ケルセン

表2. 試験結果の概要 (続き - 11)

| 世代 | | 児: F1 | | | | | | | | |
|----------------|----------------|----------------|---------------------|--------|--------|--------|----------|---------|---------|--------|
| 投与量(μg/kg) | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg | | | |
| 観察腹数 | | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| 観察動物数 | | 雄 | 28 | 34 | 33 | 36 | 34 | 32 | | |
| | | 雌 | 39 | 27 | 28 | 30 | 34 | 29 | | |
| 児動物 | 性周期検査 | 初回発情日齢(日) | | 33.1 | 33.2 | 32.1 | 31.8 | 32.3 | 33.1 | |
| | | | | ± 1.7 | ± 2.2 | ± 2.1 | ± 1.9 | ± 1.0 | ± 0.8 | |
| | | 初回正常発情期(日) | | 39.3 | 39.2 | 38.1 | 38.4 | 37.5 | 40.5 | |
| | | | | ± 3.2 | ± 3.6 | ± 3.0 | ± 1.6 | ± 1.9 | ± 2.3 | |
| | | 正常性周期率(%) | | 92.8 | 97.6 | 100 | 100 | 100 | 100 | |
| | 発情期間隔(日) | | 4.0 | 4.0 | 4.0 | 4.0 | 4.1 | 4.2 | | |
| | (10-12週齢) | | ± 0.0 | ± 0.0 | ± 0.1 | ± 0.0 | ± 0.2 | ± 0.4 | | |
| | 精子検査 (12週齢) | 精巢 | 精子頭部数 | | 164.9 | 170.9 | 182.9 | 165.1 | 159.1 | 165.2 |
| | | | (×10 ⁶) | | ± 23.1 | ± 16.8 | ± 13.3 | ± 24.7 | ± 24.0 | ± 11.1 |
| | | g当り精子頭部数 | (×10 ⁶) | | 105.1 | 109.0 | 117.7 | 105.9 | 103.3 | 108.3 |
| | | | | | ± 15.3 | ± 6.2 | ± 12.5 | ± 11.2 | ± 12.0 | ± 1.8 |
| | | 精巢 上部 尾部 | 精子数 | | 134.7 | 127.6 | 125.0 | 126.7 | 119.8 | 124.2 |
| | | | (×10 ⁶) | | ± 17.1 | ± 27.0 | ± 18.2 | ± 28.3 | ± 18.4 | ± 8.6 |
| | | | g当り精子数 | | 696.3 | 667.6 | 653.6 | 656.9 | 631.3 | 650.3 |
| | | | (×10 ⁶) | | ± 69.6 | ± 97.4 | ± 96.5 | ± 134.3 | ± 113.6 | ± 77.6 |
| | | | 精子運動率(%) | | 75.8 | 80.3 | 77.1 | 71.1 | 77.1 | 76.3 |
| | | | | | ± 12.5 | ± 16.5 | ± 14.4 | ± 19.9 | ± 15.2 | ± 10.7 |
| | 前進性精子率(%) | | 22.8 | 25.5 | 21.9 | 20.9 | 23.4 | 19.7 | | |
| | | | ± 19.9 | ± 16.2 | ± 16.8 | ± 18.9 | ± 19.7 | ± 13.8 | | |
| | 異常形態精子率(%) | | 1.3 | 1.2 | 1.2 | 2.0 | 1.5 | 1.7 | | |
| | | ± 0.7 | ± 0.6 | ± 0.5 | ± 1.1 | ± 0.3 | ± 0.6 | | | |
| 剖検所見 (12週齢) | 雄 | 甲状腺の肥大(両側) | | 2 | 3 | 5 | 0 | 2 | 0 | |
| | | 腎盂拡張(片側) | | 4 | 6 | 4 | 9 | 7 | 10 | |
| | | 腎盂拡張(両側) | | 1 | 8 | 7 | 2 | 2 | 0 | |
| | | 精巢小型(片側/両側) | | 0 | 1 | 0 | 1 | 0 | 0 | |
| | | 精巢上部小型(片側/両側) | | 0 | 1 | 0 | 1 | 0 | 0 | |
| | 雌 | 甲状腺の肥大(両側) | | 2 | 0 | 1 | 0 | 4 | 0 | |
| | | 総胆管拡張 | | 0 | 0 | 0 | 0 | 1 | 0 | |
| | | 腎盂拡張(片側) | | 3 | 1 | 6 | 3 | 2 | 0 | |
| | | 腎盂拡張(両側) | | 2 | 9 | 8 | 0 | 0 | 0 | |
| | | 腎盂内結石(片側) | | 0 | 1 | 0 | 0 | 0 | 0 | |
| | | 腎臓髓質の暗赤色化 | | 0 | 1 | 0 | 0 | 0 | 0 | |
| | | 腎臓の限局性白色化 | | 0 | 1 | 0 | 0 | 0 | 0 | |
| | | 腎臓の限局性黄白色化 | | 0 | 1 | 0 | 0 | 0 | 0 | |

物質名: ケルセン

表2. 試験結果の概要 (続き - 12)

| 世代 | | | 児: F1 | | | | | | |
|------------|--------------------------|-----------|-------|-------|-------|-------|-------|----------|-------|
| 投与量(μg/kg) | | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg | |
| 観察腹数 | | | 6 | 6 | 6 | 6 | 6 | 6 | |
| 観察動物数 | | | 雄 | 28 | 34 | 33 | 36 | 34 | 32 |
| | | | 雌 | 39 | 27 | 28 | 30 | 34 | 29 |
| 児動物 | 臓器重量 (絶対重量) (12週齢) | 雄 | 体重(g) | 346.4 | 364.4 | 355.1 | 372.8 | 356.2 | 357.7 |
| | | ± | 28.8 | 40.2 | 17.0 | 15.3 | 18.6 | 25.3 | |
| | | 脳(g) | 2.03 | 1.99 | 1.99 | 1.99 | 2.02 | 1.98 | |
| | | ± | 0.06 | 0.08 | 0.05 | 0.04 | 0.06 | 0.08 | |
| | | 下垂体(mg) | 9.6 | 9.7 | 9.6 | 9.8 | 9.6 | 9.2 | |
| | | ± | 0.8 | 0.9 | 0.5 | 0.6 | 0.5 | 0.5 | |
| | | 甲状腺(mg) | 23.4 | 23.4 | 23.8 | 20.4 | 21.8 | 21.3 | |
| | | ± | 7.9 | 10.5 | 3.2 | 2.8 | 6.6 | 2.5 | |
| | | 胸腺(mg) | 393 | 426 | 420 | 445 | 380 | 419 | |
| | | ± | 28 | 83 | 32 | 43 | 64 | 72 | |
| | | 肝臓(g) | 12.53 | 12.59 | 12.87 | 13.57 | 12.97 | 12.82 | |
| | | ± | 1.12 | 1.92 | 0.74 | 0.57 | 1.16 | 0.88 | |
| | | 腎臓(g) | 2.21 | 2.33 | 2.26 | 2.33 | 2.24 | 2.33 | |
| | | ± | 0.17 | 0.36 | 0.17 | 0.08 | 0.08 | 0.19 | |
| | | 脾臓(g) | 0.64 | 0.65 | 0.66 | 0.68 | 0.63 | 0.63 | |
| | | ± | 0.04 | 0.10 | 0.04 | 0.05 | 0.05 | 0.06 | |
| | | 副腎(mg) | 68.3 | 73.2 | 73.0 | 69.7 | 68.3 | 63.7 | |
| | | ± | 6.5 | 3.5 | 10.6 | 3.8 | 4.8 | 4.6 | |
| | | 精巣(g) | 3.37 | 3.36 | 3.36 | 3.34 | 3.32 | 3.28 | |
| | | ± | 0.15 | 0.21 | 0.23 | 0.24 | 0.26 | 0.25 | |
| | | 精巣上体(g) | 0.98 | 0.97 | 0.97 | 0.95 | 0.96 | 0.95 | |
| | | ± | 0.04 | 0.06 | 0.03 | 0.05 | 0.07 | 0.07 | |
| | | 精囊・凝固腺(g) | 1.43 | 1.38 | 1.36 | 1.41 | 1.34 | 1.43 | |
| | | ± | 0.12 | 0.16 | 0.11 | 0.08 | 0.11 | 0.12 | |
| | | 前立腺(mg) | 450 | 448 | 439 | 424 | 419 | 448 | |
| | | ± | 65 | 52 | 35 | 34 | 50 | 57 | |
| 雌 | 体重(g) | 220.3 | 216.5 | 216.4 | 223.7 | 220.2 | 221.7 | | |
| ± | 12.7 | 13.4 | 7.6 | 15.6 | 9.7 | 13.5 | | | |
| 脳(g) | 1.88 | 1.85 | 1.87 | 1.86 | 1.90 | 1.86 | | | |
| ± | 0.10 | 0.06 | 0.05 | 0.05 | 0.05 | 0.04 | | | |
| 下垂体(mg) | 12.4 | 12.4 | 11.8 | 12.9 | 12.4 | 12.6 | | | |
| ± | 1.9 | 0.7 | 0.7 | 1.2 | 1.0 | 1.2 | | | |
| 甲状腺(mg) | 17.2 | 16.5 | 20.0 | 15.3 | 16.8 | 16.7 | | | |
| ± | 4.0 | 0.5 | 3.4 | 1.7 | 5.2 | 2.5 | | | |
| 胸腺(mg) | 427 | 412 | 393 | 431 | 386 | 399 | | | |
| ± | 34 | 54 | 30 | 65 | 56 | 38 | | | |
| 肝臓(g) | 7.86 | 7.53 | 7.56 | 7.97 | 7.69 | 7.92 | | | |
| ± | 0.46 | 0.62 | 0.07 | 0.65 | 0.46 | 0.44 | | | |
| 腎臓(g) | 1.58 | 1.62 | 1.56 | 1.57 | 1.57 | 1.57 | | | |
| ± | 0.11 | 0.26 | 0.06 | 0.08 | 0.08 | 0.09 | | | |
| 脾臓(g) | 0.50 | 0.51 | 0.50 | 0.50 | 0.49 | 0.51 | | | |
| ± | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | | | |
| 副腎(mg) | 87.5 | 86.3 | 86.8 | 83.5 | 87.5 | 86.2 | | | |
| ± | 8.6 | 7.3 | 7.8 | 7.4 | 5.5 | 7.3 | | | |
| 卵巣(mg) | 103.5 | 91.7 | 99.8 | 97.7 | 101.0 | 94.0 | | | |
| ± | 8.9 | 9.6 | 9.1 | 13.4 | 12.2 | 6.6 | | | |
| 子宮(g) | 0.88 | 0.94 | 0.84 | 0.92 | 0.91 | 0.92 | | | |
| ± | 0.08 | 0.12 | 0.08 | 0.04 | 0.09 | 0.13 | | | |

物質名: ケルセン

表2. 試験結果の概要 (続き - 13)

| 世代 | | | 児: F1 | | | | | | |
|------------|-----------------------------|-------------------------|------------------|------------------|----------------|----------------|----------------|----------------|----------------|
| 投与量(μg/kg) | | | 0 | 10 | 30 | 100 | 300 | 30 mg/kg | |
| 観察腹数 | | | 6 | 6 | 6 | 6 | 6 | 6 | |
| 観察動物数 | | | 雄 | 28 | 34 | 33 | 36 | 34 | 32 |
| | | | 雌 | 39 | 27 | 28 | 30 | 34 | 29 |
| 児動物 | 臓器重量 (相対重量)(%) (12週齢) | 雄 | 脳 | 0.590 ± 0.044 | 0.552 0.041 | 0.562 0.021 | 0.538 0.023 | 0.571 0.031 | 0.557 0.030 |
| | | 下垂体(×10 ⁻³) | 2.77 ± 0.28 | 2.69 0.16 | 2.71 0.15 | 2.63 0.18 | 2.69 0.18 | 2.58 0.12 | |
| | | 甲状腺(×10 ⁻³) | 6.72 ± 2.09 | 6.28 2.03 | 6.73 1.02 | 5.47 0.65 | 6.11 1.72 | 5.95 0.50 | |
| | | 胸腺(×10 ⁻³) | 114 ± 8 | 117 20 | 119 10 | 119 8 | 107 16 | 117 18 | |
| | | 肝臓 | 3.62 ± 0.18 | 3.44 0.17 | 3.63 0.18 | 3.64 0.12 | 3.64 0.20 | 3.59 0.11 | |
| | | 腎臓 | 0.639 ± 0.052 | 0.638 0.039 | 0.636 0.034 | 0.626 0.029 | 0.632 0.023 | 0.653 0.034 | |
| | | 脾臓 | 0.186 ± 0.017 | 0.179 0.010 | 0.186 0.017 | 0.181 0.012 | 0.176 0.007 | 0.177 0.019 | |
| | | 副腎(×10 ⁻³) | 19.7 ± 1.2 | 20.2 1.9 | 20.6 2.2 | 18.7 1.0 | 19.2 0.9 | 17.8 1.6 | |
| | | 精巣 | 0.978 ± 0.072 | 0.930 0.072 | 0.947 0.043 | 0.900 0.070 | 0.934 0.042 | 0.920 0.069 | |
| | | 精巣上体 | 0.284 ± 0.021 | 0.269 0.023 | 0.275 0.007 | 0.256 0.012 | 0.269 0.016 | 0.268 0.018 | |
| | | 精嚢・凝固腺 | 0.415 ± 0.045 | 0.382 0.040 | 0.384 0.037 | 0.379 0.011 | 0.379 0.041 | 0.403 0.042 | |
| | | 前立腺(×10 ⁻³) | 131 ± 23 | 124 11 | 124 9 | 114 7 | 118 16 | 126 14 | |
| | | 雌 | 脳 | 0.856 ± 0.042 | 0.857 0.029 | 0.868 0.020 | 0.836 0.048 | 0.866 0.037 | 0.840 0.056 |
| | | 下垂体(×10 ⁻³) | 5.64 ± 0.85 | 5.75 0.35 | 5.45 0.25 | 5.77 0.49 | 5.62 0.58 | 5.66 0.40 | |
| | | 甲状腺(×10 ⁻³) | 7.82 ± 1.70 | 7.66 0.60 | 9.27 1.74 | 6.85 0.36 | 7.63 2.20 | 7.51 0.86 | |
| | | 胸腺(×10 ⁻³) | 194 ± 16 | 191 28 | 181 18 | 192 21 | 176 26 | 181 20 | |
| | | 肝臓 | 3.57 ± 0.18 | 3.48 0.08 | 3.50 0.11 | 3.56 0.17 | 3.51 0.15 | 3.58 0.13 | |
| | | 腎臓 | 0.716 ± 0.053 | 0.746 0.080 | 0.723 0.013 | 0.702 0.029 | 0.711 0.040 | 0.708 0.040 | |
| | | 脾臓 | 0.226 ± 0.023 | 0.233 0.012 | 0.230 0.015 | 0.223 0.019 | 0.224 0.017 | 0.229 0.020 | |
| | | 副腎(×10 ⁻³) | 39.7 ± 2.2 | 40.0 2.5 | 40.1 3.0 | 37.3 1.2 | 39.7 2.3 | 38.9 3.7 | |
| | | 卵巣(×10 ⁻³) | 47.2 ± 4.3 | 42.5 5.5 | 46.3 5.5 | 43.5 3.7 | 45.9 5.6 | 42.5 3.0 | |
| | | 子宮 | 0.397 ± 0.020 | 0.439 0.067 | 0.390 0.032 | 0.413 0.034 | 0.412 0.034 | 0.414 0.060 | |