### Male Clinical Chemistry Summary

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Endpoint** | 0.0 mg/kgN = 9 | 0.15 mg/kgN = 5 | 0.5 mg/kgN = 5 | 1.4 mg/kgN = 5 | 4.0 mg/kgN = 5 | 12.0 mg/kgN = 5 | 37.0 mg/kgN = 5 | 111.0 mg/kgN = 5 | BMD1Std (mg/kg) | BMDL1Std (mg/kg) |
| Cholesterol (mg/dL) | 103.3 ± 4.4\*\* | 102.2 ± 4.0 | 123.0 ± 12.6 | 115.0 ± 12.1 | 109.2 ± 4.5 | 108.4 ± 6.3 | 90.2 ± 4.8 | 79.8 ± 4.0\*\* | 0.484 | 0.225 |

### Female Clinical Chemistry Summary

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Endpoint** | 0.0 mg/kgN = 10 | 0.15 mg/kgN = 5 | 0.5 mg/kgN = 5 | 1.4 mg/kgN = 5 | 4.0 mg/kgN = 5 | 12.0 mg/kgN = 5 | 37.0 mg/kgN = 5 | 111.0 mg/kgN = 5 | BMD1Std (mg/kg) | BMDL1Std (mg/kg) |
| Aspartate Aminotransferase (U/L) | 82.20 ± 1.88\*\* | 80.60 ± 1.21 | 72.40 ± 2.62 | 74.40 ± 3.08 | 77.60 ± 4.50 | 82.00 ± 2.88 | 77.80 ± 4.42 | 69.60 ± 1.57\*\* | 0.256 | 0.11 |
| Sorbitol dehydrogenase (IU/L) | 11.9 ± 0.9\*\* | 11.8 ± 0.7 | 9.3 ± 0.5 | 10.1 ± 0.5 | 11.8 ± 1.0 | 11.8 ± 1.5 | 8.6 ± 0.4\*\* | 9.1 ± 0.4\* | 0.455 | 0.264 |

Values given as mean ± SEM (N) of animals that survived to study termination.

Statistical analysis were performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

\* Statistically significant at p ≤ 0.05

\*\* Statistically significant at p ≤ 0.01

BMD1Std and BMDL1Std: Benchmark response (BMR) set at 1 standard deviation from the mean.