### Male Hematology Data Summary

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Endpoint** | 0.0 mg/kgN = 9 | 0.15 mg/kgN = 4 | 0.5 mg/kgN = 5 | 1.4 mg/kgN = 4 | 4.0 mg/kgN = 4 | 12.0 mg/kgN = 5 | 37.0 mg/kgN = 5 | 111.0 mg/kgN = 4 | 333.0 mg/kgN = 4 | 1000.0 mg/kgN = 1 | BMD1Std (mg/kg) | BMDL1Std (mg/kg) |
| Reticulocyte count (K/uL) | 240.2 ± 8.5\*\* | 237.2 ± 4.3 | 207.4 ± 13.6 | 228.4 ± 14.9 | 222.2 ± 6.6 | 211.9 ± 8.6 | 235.4 ± 9.9 | 194.9 ± 12.1\* | 89.9 ± 9.8\*\* | 88.4  | 0.308 | 0.112 |
| Mean Cell HGB Concentration (g/dL) | 28.5 ± 0.1\* | 28.6 ± 0.1 | 28.6 ± 0.2 | 28.8 ± 0.3 | 29.0 ± 0.2 | 28.8 ± 0.1 | 29.1 ± 0.2 | 29.6 ± 0.5 | 28.4 ± 0.4 | 30.0  | 2.715 | 0.33 |
| Basophil count (K/uL) | 0.04 ± 0.00 | 0.02 ± 0.00\* | 0.03 ± 0.01 | 0.03 ± 0.00 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.03 ± 0.00 | 0.02 ± 0.00\* | 0.03 ± 0.01 | 0.03  | NVM | NVM |
| Eosinophil count (K/uL) | 0.09 ± 0.02\* | 0.06 ± 0.01 | 0.06 ± 0.01 | 0.09 ± 0.01 | 0.07 ± 0.01 | 0.06 ± 0.02 | 0.05 ± 0.01 | 0.05 ± 0.01 | 0.06 ± 0.02 | 0.04  | NVM | NVM |

### Female Hematology Data Summary

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Endpoint** | 0.0 mg/kgN = 9 | 0.15 mg/kgN = 5 | 0.5 mg/kgN = 5 | 1.4 mg/kgN = 4 | 4.0 mg/kgN = 5 | 12.0 mg/kgN = 5 | 37.0 mg/kgN = 5 | 111.0 mg/kgN = 5 | 333.0 mg/kgN = 5 | 1000.0 mg/kgN = 5 | BMD1Std (mg/kg) | BMDL1Std (mg/kg) |
| Reticulocyte count (K/uL) | 224.6 ± 11.5\*\* | 235.1 ± 17.6 | 205.3 ± 17.2 | 206.6 ± 7.6 | 210.7 ± 11.9 | 200.6 ± 14.0 | 161.9 ± 6.5\*\* | 199.4 ± 20.2\* | 126.4 ± 9.4\*\* | 112.3 ± 12.7\*\* | 15.578 | 3.622 |
| Platelet count (K/uL) | 994 ± 87\* | 782 ± 157 | 841 ± 139 | 865 ± 76 | 980 ± 9 | 1005 ± 71 | 1006 ± 91 | 1084 ± 65 | 1214 ± 98 | 1004 ± 102 | NVM | NVM |
| Monocyte count (K/uL) | 0.19 ± 0.04\*\* | 0.31 ± 0.08 | 0.28 ± 0.03 | 0.29 ± 0.04 | 0.28 ± 0.05 | 0.22 ± 0.04 | 0.28 ± 0.03 | 0.37 ± 0.05\* | 0.40 ± 0.06\*\* | 0.66 ± 0.18\*\* | 257.111 | 160.613 |
| Large Unstained Cell count (K/uL) | 0.04 ± 0.01\*\* | 0.06 ± 0.01 | 0.05 ± 0.01 | 0.05 ± 0.01 | 0.05 ± 0.01 | 0.04 ± 0.01 | 0.06 ± 0.00\*\* | 0.07 ± 0.01\*\* | 0.07 ± 0.01\*\* | 0.07 ± 0.02\* | 54.339 | 15.759 |

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

Only one animal in the male highest dose group so it was excluded from stats and BMD calculation.

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

NVM = no viable model