### Male Hematology Data Summary

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Endpoint** | 0.0 mg/kg N = 10 | 0.07 mg/kg N = 5 | 0.2 mg/kg N = 5 | 0.7 mg/kg N = 5 | 2.0 mg/kg N = 5 | 6.0 mg/kg N = 5 | 18.0 mg/kg N = 5 | 55.0 mg/kg N = 5 | 160.0 mg/kg N = 5 | 475.0 mg/kg N = 4 | BMD1Std (mg/kg) | BMDL1Std (mg/kg) |
| Reticulocyte count (K/uL) | 227.4 ± 9.7\*\* | 226.4 ± 9.3 | 264.3 ± 16.1 | 258.4 ± 19.0 | 234.7 ± 15.1 | 241.2 ± 11.9 | 216.7 ± 17.7 | 210.6 ± 3.9 | 226.6 ± 24.3 | 174.5 ± 7.3\* | 54.227 | 30.205 |

### Female Hematology Data Summary

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Endpoint** | 0.0 mg/kg N = 10 | 0.07 mg/kg N = 5 | 0.2 mg/kg N = 5 | 0.7 mg/kg N = 4 | 2.0 mg/kg N = 4 | 6.0 mg/kg N = 5 | 18.0 mg/kg N = 5 | 55.0 mg/kg N = 5 | 160.0 mg/kg N = 5 | 475.0 mg/kg N = 5 | BMD1Std (mg/kg) | BMDL1Std (mg/kg) |
| Hematocrit (%) | 45.0 ± 0.8\* | 46.9 ± 0.9 | 45.6 ± 0.7 | 45.8 ± 1.4 | 45.1 ± 1.0 | 44.1 ± 0.7 | 44.1 ± 1.1 | 44.5 ± 0.8 | 45.2 ± 0.6 | 44.0 ± 0.4 | NVM | NVM |
| Hemoglobin (g/dL) | 13.6 ± 0.3\* | 14.3 ± 0.3 | 13.7 ± 0.3 | 13.9 ± 0.4 | 13.8 ± 0.4 | 13.3 ± 0.3 | 13.4 ± 0.3 | 13.5 ± 0.2 | 13.5 ± 0.2 | 13.4 ± 0.2 | NVM | NVM |
| Reticulocyte count (K/uL) | 223.2 ± 12.4\* | 243.7 ± 22.6 | 225.1 ± 12.5 | 211.2 ± 17.5 | 218.4 ± 16.0 | 207.9 ± 8.1 | 223.5 ± 18.3 | 182.2 ± 5.2 | 192.8 ± 10.8 | 201.6 ± 7.9 | 54.561 | 38.414 |
| Platelet count (K/uL) | 1041 ± 37\*\* | 1067 ± 52 | 997 ± 34 | 971 ± 26 | 997 ± 19 | 966 ± 28 | 926 ± 31 | 1011 ± 21 | 916 ± 34\* | 823 ± 55\*\* | 16.335 | 9.571 |
| Leukocyte Count (K/uL) | 5.94 ± 0.42\* | 7.71 ± 0.69 | 6.86 ± 1.01 | 6.33 ± 0.11 | 5.74 ± 0.31 | 7.54 ± 0.79 | 6.86 ± 0.81 | 7.23 ± 0.70 | 7.88 ± 0.95 | 7.56 ± 0.79 | NVM | NVM |
| Neutrophil Count (K/uL) | 0.42 ± 0.03\*\* | 0.53 ± 0.03 | 0.62 ± 0.06 | 0.49 ± 0.03 | 0.53 ± 0.08 | 0.57 ± 0.09 | 0.53 ± 0.08 | 0.61 ± 0.05\*\* | 0.60 ± 0.12\* | 0.72 ± 0.11\*\* | 0.071 | 0.013 |
| Monocyte count (K/uL) | 0.18 ± 0.02\*\* | 0.20 ± 0.03 | 0.22 ± 0.05 | 0.17 ± 0.02 | 0.19 ± 0.04 | 0.29 ± 0.04 | 0.24 ± 0.03 | 0.28 ± 0.04 | 0.38 ± 0.07\*\* | 0.30 ± 0.09\* | 20.731 | 4.642 |
| Large Unstained Cell count (K/uL) | 0.04 ± 0.00\*\* | 0.05 ± 0.01 | 0.04 ± 0.01 | 0.04 ± 0.01 | 0.04 ± 0.01 | 0.05 ± 0.01 | 0.04 ± 0.01 | 0.05 ± 0.01 | 0.06 ± 0.01\* | 0.07 ± 0.02\* | 58.894 | 25.959 |

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.

NVM = no viable model

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