Experiment Number: 20007-99
Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/26/2014
Time Report Requested: 04:44:57
First Dose M/F: NA / NA
Lab: NA

C Number:	C20007
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both

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MALE

Treatment Groups	Basophil Count 1000 per uL	Basophil Percentage %	Eosinophil Count	Eosinophil Percentage %	Hematocrit %	Hemoglobin g per dL
Day 23						
0 g/kg	0.1 ± 0	0.5 ± 0.2	0 ± 0	0.4 ± 0.2	48.7 ± 3.8	14.5 ± 1.1
0.125 g/kg	0.1 ± 0	0.6 ± 0.1	0 ± 0	0.4 ± 0.1	47.5 ± 3.2	14.3 ± 0.9
0.25 g/kg	0.1 ± 0	0.6 ± 0.2	0 ± 0	0.4 ± 0.2	47.6 ± 3.2	14.4 ± 0.8
0.5 g/kg	0.1 ± 0	0.6 ± 0.2	0 ± 0	0.4 ± 0.1	47.2 ± 2.8	14.2 ± 0.9
1.0 g/kg	0.1 ± 0	0.6 ± 0.1	0 ± 0	0.5 ± 0.2	47.9 ± 2.7	14.3 ± 0.8
2.0 g/kg	0 ± 0	0.5 ± 0.1	0 ± 0	0.3 ± 0.1	48.2 ± 1.7	14.4 ± 0.5

*$p < 0.05$

**$p < 0.01$

NOTE: Table is to include results for each time point samples were analyzed. Similar table is to be included for hematology parameters.

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MALE

Treatment Groups	Large Unstained Cells Count 1000 per uL	Large Unstained Cells Percentage %	Lymphocyte Count 1000 per uL	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL
Day 23						
0 g/kg	0.1 ± 0	0.7 ± 0.2	9.4 ± 2	87 ± 1.7	18.2 ± 0.4	29.7 ± 0.4
0.125 g/kg	0.1 ± 0	1 ± 0.3	9.9 ± 1.9	86.4 ± 1.7	18.3 ± 0.4	30 ± 0.6
0.25 g/kg	0.1 ± 0	0.8 ± 0.4	9.8 ± 1.6	86.6 ± 2	18.4 ± 0.4	30.2 ± 0.6
0.5 g/kg	0.1 ± 0.1	0.9 ± 0.4	9.2 ± 1.7	**85.4 ± 2.2***	18.4 ± 0.4	30 ± 0.5
1.0 g/kg	0.1 ± 0	0.8 ± 0.3	9.1 ± 1.9	**85.2 ± 2.5***	18.1 ± 0.3	29.9 ± 0.5
2.0 g/kg	0.1 ± 0	0.8 ± 0.3	8 ± 2.6	**79 ± 12.9****	18.1 ± 0.5	30 ± 0.7

*p < 0.05

**p < 0.01

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MALE

Treatment Groups	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL	Monocyte Percentage %	Neutrophil Count 1000 per uL	Neutrophil Percentage %	Platelet Count 1000 per uL
Day 23						
0 g/kg	61.5 ± 1.2	0.2 ± 0.1	2.2 ± 0.8	1 ± 0.2	9.1 ± 1.3	1015.2 ± 111.9
0.125 g/kg	60.9 ± 1.3	0.3 ± 0.1	2.3 ± 0.4	1 ± 0.1	9.2 ± 1.4	1071.7 ± 118.2
0.25 g/kg	60.9 ± 1	0.3 ± 0.1	2.3 ± 0.5	1 ± 0.1	9.3 ± 1.7	1011.9 ± 135.9
0.5 g/kg	61.2 ± 1	0.2 ± 0	2.3 ± 0.3	**1.1 ± 0.1***	**10.4 ± 2***	1047.5 ± 110.7
1.0 g/kg	60.6 ± 1	0.2 ± 0.1	2.3 ± 0.5	**1.1 ± 0.2***	**10.7 ± 2.3***	1050 ± 147.1
2.0 g/kg	**60.3 ± 0.7****	0.2 ± 0.1	2.5 ± 0.5	**1.4 ± 0.5****	**16.9 ± 13.3****	**1129.6 ± 147.3***

*p < 0.05

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MALE

Treatment Groups	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	Reticulocyte Percentage %	White Blood Cell Count 1000 per uL
Day 23				
0 g/kg	7.9 ± 0.7	361.9 ± 113.9	4.7 ± 1.9	10.8 ± 2.2
0.125 g/kg	7.8 ± 0.6	393.7 ± 124.2	5.2 ± 2	11.4 ± 2
0.25 g/kg	7.8 ± 0.6	375 ± 99.4	4.9 ± 1.6	11.2 ± 1.7
0.5 g/kg	7.7 ± 0.5	402.7 ± 100.4	5.3 ± 1.7	10.8 ± 1.7
1.0 g/kg	7.9 ± 0.5	370.5 ± 71.8	4.8 ± 1.2	10.6 ± 2
2.0 g/kg	8 ± 0.3	360.8 ± 121.6	4.5 ± 1.5	9.8 ± 2.5

*p < 0.05

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FEMALE

Treatment Groups	Basophil Count 1000 per uL	Basophil Percentage %	Eosinophil Count	Eosinophil Percentage %	Hematocrit %	Hemoglobin g per dL
			Day 23			
0 g/kg	0 ± 0	0.4 ± 0.1	0.1 ± 0	0.6 ± 0.3	48.3 ± 1.3	14.9 ± 0.3
0.125 g/kg	0 ± 0	0.4 ± 0.2	0.1 ± 0	0.8 ± 0.6	48.6 ± 2.6	15 ± 0.6
0.25 g/kg	0 ± 0	0.3 ± 0.1	0.1 ± 0	0.6 ± 0.2	48.3 ± 1.3	14.9 ± 0.3
0.5 g/kg	0 ± 0	0.3 ± 0.2	0.1 ± 0	0.9 ± 0.8	49 ± 1	15.2 ± 0.2
1.0 g/kg	0 ± 0	0.4 ± 0.1	0.1 ± 0	0.6 ± 0.2	49 ± 2.3	15.1 ± 0.6
2.0 g/kg	0 ± 0	0.3 ± 0.1	0 ± 0	0.5 ± 0.2	50.1 ± 1.9	15 ± 0.5

*p < 0.05

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FEMALE

Treatment Groups	Large Unstained Cells Count 1000 per uL	Large Unstained Cells Percentage %	Lymphocyte Count 1000 per uL	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL
			Day 23			
0 g/kg	0.1 ± 0	0.7 ± 0.2	9.2 ± 1.4	88.8 ± 1.7	18.3 ± 0.2	30.9 ± 0.5
0.125 g/kg	0.1 ± 0	0.7 ± 0.1	8.3 ± 1.6	88.5 ± 2.6	18.3 ± 0.4	30.9 ± 0.8
0.25 g/kg	0.1 ± 0	0.6 ± 0.2	8.2 ± 1.7	88.7 ± 1.6	18.4 ± 0.2	30.9 ± 0.7
0.5 g/kg	0.1 ± 0	0.6 ± 0.1	8.3 ± 1.9	87 ± 3	18.3 ± 0.2	31 ± 0.5
1.0 g/kg	0.1 ± 0	0.7 ± 0.1	9.2 ± 1.2	86.5 ± 2	18.4 ± 0.2	30.8 ± 0.5
2.0 g/kg	0.1 ± 0	0.7 ± 0.1	8 ± 1.2	**85.6 ± 2.2***	17.8 ± 0.3	**30 ± 0.4**

*$p < 0.05$

**$p < 0.01$

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FEMALE

Treatment Groups	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL	Monocyte Percentage %	Neutrophil Count 1000 per uL	Neutrophil Percentage %	Platelet Count 1000 per uL
Day 23						
0 g/kg	59.3 ± 0.8	0.2 ± 0.1	1.6 ± 0.4	0.8 ± 0.2	8 ± 1.4	860.7 ± 36.5
0.125 g/kg	59.2 ± 0.7	0.2 ± 0.1	1.7 ± 0.6	0.7 ± 0.2	7.8 ± 1.9	846.1 ± 79.4
0.25 g/kg	59.4 ± 1.2	0.2 ± 0.1	1.9 ± 0.6	0.8 ± 0.3	8 ± 1.5	877.4 ± 73.9
0.5 g/kg	59.1 ± 1	0.2 ± 0.1	1.6 ± 0.3	0.9 ± 0.3	9.6 ± 2.5	844.8 ± 86.9
1.0 g/kg	59.6 ± 0.8	**0.2 ± 0.1***	**2.2 ± 0.6***	1 ± 0.1	9.7 ± 1.5	830 ± 50
2.0 g/kg	59.5 ± 0.9	**0.2 ± 0.1***	**2.5 ± 0.7****	1 ± 0.2	**10.3 ± 1.6***	839.7 ± 101.7

*p < 0.05

**p < 0.01

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FEMALE

Treatment Groups	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	Reticulocyte Percentage %	White Blood Cell Count 1000 per uL
		Day 23		
0 g/kg	8.1 ± 0.2	158.4 ± 11.7	1.9 ± 0.1	10.4 ± 1.7
0.125 g/kg	8.2 ± 0.4	152.9 ± 9.5	1.9 ± 0.1	9.4 ± 1.8
0.25 g/kg	8.1 ± 0.2	161.8 ± 14.1	2 ± 0.2	9.2 ± 2
0.5 g/kg	8.3 ± 0.2	155.3 ± 12.5	1.9 ± 0.1	9.5 ± 2.2
1.0 g/kg	8.2 ± 0.3	167.1 ± 13.6	2 ± 0.2	10.6 ± 1.3
2.0 g/kg	8.4 ± 0.2	**212.1 ± 42.3****	**2.5 ± 0.5****	9.4 ± 1.4

** END OF REPORT **

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