

Experiment Number: 20107-01

Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 16:55:20

First Dose M/F: NA / NA

Lab: NA

C Number: C20107

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

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P43: Terminal Sacrifice Hematology Data

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First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	Basophil Count 1000 per uL	Eosinophil Count	Heinz Bodies Pct %	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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Day 93

0 mg/kg	0 ± 0	0.1 ± 0	0 ± 0	46.1 ± 1.2	14.8 ± 0.3	6.5 ± 1.2
62.5 mg/kg	0 ± 0	0.1 ± 0	0.5 ± 0.5**	42.1 ± 1.6**	13 ± 0.5**	7.4 ± 1.1
125 mg/kg	0 ± 0	0.1 ± 0*	2.8 ± 0.9**	42.3 ± 1.4**	13 ± 0.4**	7.2 ± 2.1
250 mg/kg	0 ± 0	0 ± 0**	4 ± 1.2**	42.1 ± 1.3**	12.9 ± 0.4**	6.1 ± 1
500 mg/kg	0 ± 0	0 ± 0**	2.9 ± 2.3**	42.4 ± 2**	12.7 ± 0.6**	4.9 ± 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.

The values used in the calculations are the observations taken at the furthest point in the study for each subject (the greatest number of "days on study"). The "day" displayed is the maximum value of "days on study" across all subjects.

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MALE

Treatment Groups	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Neutrophil Count 1000 per uL
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Day 93

0 mg/kg	17.2 ± 0.2	32.1 ± 0.3	53.5 ± 0.8	2.4 ± 0.5	0.2 ± 0.1	1.3 ± 0.4
62.5 mg/kg	17.5 ± 0.2*	31 ± 0.6**	56.6 ± 0.9**	10.1 ± 1.7**	0.2 ± 0	1.1 ± 0.3
125 mg/kg	18.7 ± 0.2**	30.7 ± 0.2**	61.1 ± 0.8**	15.5 ± 1.5**	0.2 ± 0.1	1.1 ± 0.4
250 mg/kg	20.1 ± 0.3**	30.5 ± 0.5**	65.8 ± 1.1**	18.2 ± 1.7**	0.1 ± 0	1 ± 0.2
500 mg/kg	20.6 ± 0.6**	30 ± 0.4**	68.5 ± 1.7**	17.7 ± 2.1**	0.1 ± 0	1.2 ± 0.2

*p < 0.05

**p < 0.01

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MALE

Treatment Groups	Nucleated Rbc Per 100 Wbc per 100 WC	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	White Blood Cell Count 1000 per uL
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Day 93

0 mg/kg	0 ± 0	666.5 ± 64.2	8.6 ± 0.2	252.6 ± 26.2	8.1 ± 1.2
62.5 mg/kg	0.5 ± 0.5**	738.3 ± 89.7	7.4 ± 0.3**	495.3 ± 42.6**	8.8 ± 1.3
125 mg/kg	2.8 ± 0.9**	848.6 ± 81.2	6.9 ± 0.2**	596.1 ± 48.8**	8.5 ± 2.5
250 mg/kg	4 ± 1.2**	694.9 ± 72.7	6.4 ± 0.2**	755.1 ± 40.7**	7.3 ± 1.2
500 mg/kg	2.9 ± 2.3**	735.8 ± 59.9	6.2 ± 0.2**	885.3 ± 115.3**	6.3 ± 0.6**

*p < 0.05

**p < 0.01

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MALE

Treatment Groups	Basophil Count 1000 per uL	Eosinophil Count	Heinz Bodies Pct %	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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Day 88

0 mg/kg	0 ± 0	0.1 ± 0	0 ± 0	46.1 ± 1.2	14.8 ± 0.3	6.5 ± 1.2
62.5 mg/kg	0 ± 0	0.1 ± 0	0.5 ± 0.5**	42.1 ± 1.6**	13 ± 0.5**	7.4 ± 1.1
125 mg/kg	0 ± 0	0.1 ± 0*	2.8 ± 0.9**	42.3 ± 1.4**	13 ± 0.4**	7.2 ± 2.1
250 mg/kg	0 ± 0	0 ± 0**	4 ± 1.2**	42.1 ± 1.3**	12.9 ± 0.4**	6.1 ± 1
500 mg/kg	0 ± 0	0 ± 0**	2.9 ± 2.3**	42.4 ± 2**	12.7 ± 0.6**	4.9 ± 0.5**

*p < 0.05

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First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Neutrophil Count 1000 per uL
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Day 88

0 mg/kg	17.2 ± 0.2	32.1 ± 0.3	53.5 ± 0.8	2.4 ± 0.5	0.2 ± 0.1	1.3 ± 0.4
62.5 mg/kg	17.5 ± 0.2*	31 ± 0.6**	56.6 ± 0.9**	10.1 ± 1.7**	0.2 ± 0	1.1 ± 0.3
125 mg/kg	18.7 ± 0.2**	30.7 ± 0.2**	61.1 ± 0.8**	15.5 ± 1.5**	0.2 ± 0.1	1.1 ± 0.4
250 mg/kg	20.1 ± 0.3**	30.5 ± 0.5**	65.8 ± 1.1**	18.2 ± 1.7**	0.1 ± 0	1 ± 0.2
500 mg/kg	20.6 ± 0.6**	30 ± 0.4**	68.5 ± 1.7**	17.7 ± 2.1**	0.1 ± 0	1.2 ± 0.2

*p < 0.05

**p < 0.01

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First Dose M/F: NA / NA
Lab: NA

MALE

Treatment Groups	Nucleated Rbc Per 100 Wbc per 100 WC	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	White Blood Cell Count 1000 per uL
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Day 88

0 mg/kg	0 ± 0	666.5 ± 64.2	8.6 ± 0.2	252.6 ± 26.2	8.1 ± 1.2
62.5 mg/kg	0.5 ± 0.5**	738.3 ± 89.7	7.4 ± 0.3**	495.3 ± 42.6**	8.8 ± 1.3
125 mg/kg	2.8 ± 0.9**	848.6 ± 81.2	6.9 ± 0.2**	596.1 ± 48.8**	8.5 ± 2.5
250 mg/kg	4 ± 1.2**	694.9 ± 72.7	6.4 ± 0.2**	755.1 ± 40.7**	7.3 ± 1.2
500 mg/kg	2.9 ± 2.3**	735.8 ± 59.9	6.2 ± 0.2**	885.3 ± 115.3**	6.3 ± 0.6**

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FEMALE

Treatment Groups	Basophil Count 1000 per uL	Eosinophil Count	Heinz Bodies Pct %	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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Day 93

0 mg/kg	0 ± 0	0.1 ± 0	0 ± 0	45.2 ± 1.5	14.8 ± 0.4	5.5 ± 1
62.5 mg/kg	0 ± 0	0 ± 0**	0.2 ± 0.1**	41.3 ± 1.5**	12.8 ± 0.4**	5.9 ± 0.9
125 mg/kg	0 ± 0	0.1 ± 0**	4.8 ± 2**	40 ± 1.6**	12.7 ± 0.3**	6.5 ± 1.4
250 mg/kg	0 ± 0	0 ± 0**	6.8 ± 1.9**	39 ± 1.3**	12 ± 0.5**	6.3 ± 1.3
500 mg/kg	0 ± 0**	0 ± 0**	16 ± 5.8**	40.7 ± 1.1**	12.4 ± 0.3**	4.2 ± 1.2

*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.

The values used in the calculations are the observations taken at the furthest point in the study for each subject (the greatest number of "days on study"). The "day" displayed is the maximum value of "days on study" across all subjects.

FEMALE

Treatment Groups	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Neutrophil Count 1000 per uL
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Day 93

0 mg/kg	18.1 ± 0.1	32.7 ± 0.3	55.4 ± 0.7	2.9 ± 0.4	0.2 ± 0.1	1.2 ± 0.2
62.5 mg/kg	18.7 ± 0.3**	31.1 ± 0.4**	60.4 ± 0.8**	11.2 ± 1.4**	0.1 ± 0	0.9 ± 0.2
125 mg/kg	19.3 ± 0.5**	31.9 ± 0.6*	60.7 ± 1.1**	17.2 ± 3.5**	0.1 ± 0	0.9 ± 0.2
250 mg/kg	19.8 ± 0.4**	30.9 ± 0.5**	64.2 ± 1.4**	19.7 ± 1.9**	0.1 ± 0**	1 ± 0.2
500 mg/kg	21.7 ± 0.4**	30.5 ± 0.4**	71.2 ± 1.5**	16 ± 1.3**	0.1 ± 0**	0.8 ± 0.2**

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**p < 0.01

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FEMALE

Treatment Groups	Nucleated Rbc Per 100 Wbc per 100 WC	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	White Blood Cell Count 1000 per uL
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Day 93

0 mg/kg	0 ± 0	751.2 ± 71.6	8.2 ± 0.2	259.3 ± 34.7	7 ± 1.2
62.5 mg/kg	0.2 ± 0.1**	769.4 ± 53.9	6.8 ± 0.3**	496.3 ± 78.3**	6.9 ± 1.1
125 mg/kg	4.8 ± 2**	743 ± 92.2	6.6 ± 0.3**	543.6 ± 51.8**	7.7 ± 1.6
250 mg/kg	6.8 ± 1.9**	656 ± 107.8*	6.1 ± 0.3**	896.2 ± 66.7**	7.4 ± 1.3
500 mg/kg	16 ± 5.8**	607.7 ± 92.3**	5.7 ± 0.2**	1111.6 ± 122**	5.1 ± 1.5

*p < 0.05

**p < 0.01

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The values used in the calculations are the observations taken at the furthest point in the study for each subject (the greatest number of "days on study"). The "day" displayed is the maximum value of "days on study" across all subjects.

FEMALE

Treatment Groups	Basophil Count 1000 per uL	Eosinophil Count	Heinz Bodies Pct %	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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Day 88

0 mg/kg	0 ± 0	0.1 ± 0	0 ± 0	45.2 ± 1.5	14.8 ± 0.4	5.5 ± 1
62.5 mg/kg	0 ± 0	0 ± 0**	0.2 ± 0.1**	41.3 ± 1.5**	12.8 ± 0.4**	5.9 ± 0.9
125 mg/kg	0 ± 0	0.1 ± 0**	4.8 ± 2**	40 ± 1.6**	12.7 ± 0.3**	6.5 ± 1.4
250 mg/kg	0 ± 0	0 ± 0**	6.8 ± 1.9**	39 ± 1.3**	12 ± 0.5**	6.3 ± 1.3
500 mg/kg	0 ± 0**	0 ± 0**	16 ± 5.8**	40.7 ± 1.1**	12.4 ± 0.3**	4.2 ± 1.2

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FEMALE

Treatment Groups	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Neutrophil Count 1000 per uL
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Day 88

0 mg/kg	18.1 ± 0.1	32.7 ± 0.3	55.4 ± 0.7	2.9 ± 0.4	0.2 ± 0.1	1.2 ± 0.2
62.5 mg/kg	18.7 ± 0.3**	31.1 ± 0.4**	60.4 ± 0.8**	11.2 ± 1.4**	0.1 ± 0	0.9 ± 0.2
125 mg/kg	19.3 ± 0.5**	31.9 ± 0.6*	60.7 ± 1.1**	17.2 ± 3.5**	0.1 ± 0	0.9 ± 0.2
250 mg/kg	19.8 ± 0.4**	30.9 ± 0.5**	64.2 ± 1.4**	19.7 ± 1.9**	0.1 ± 0**	1 ± 0.2
500 mg/kg	21.7 ± 0.4**	30.5 ± 0.4**	71.2 ± 1.5**	16 ± 1.3**	0.1 ± 0**	0.8 ± 0.2**

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FEMALE

Treatment Groups	Nucleated Rbc Per 100 Wbc per 100 WC	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	White Blood Cell Count 1000 per uL
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** END OF REPORT **

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