

Experiment Number: 20303-03

Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:31:02

First Dose M/F: NA / NA

Lab: NA

C Number: C20303

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

MALE

Treatment Groups	Basophil Count 1000 per uL	Basophil Percentage %	Eosinophil Count	Eosinophil Percentage %	Hematocrit %	Hematocrit Manual %
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Day 93

0 ppm	0 ± 0	0.1 ± 0.1	0.1 ± 0	1.2 ± 0.4	48.4 ± 1.1	49.1 ± 1.1
6.25 ppm	0 ± 0	0.1 ± 0.1	0.1 ± 0	1.3 ± 0.5	47.8 ± 1.3	49 ± 1.3
12.5 ppm	0 ± 0	0.2 ± 0.2	0.1 ± 0	1.4 ± 0.4	47.1 ± 1.4	48.1 ± 1.3
25 ppm	0 ± 0	0.2 ± 0.1	0.1 ± 0	1.3 ± 0.5	48.1 ± 1.7	49 ± 1.8
50 ppm	0 ± 0	0.2 ± 0.2	0.1 ± 0	1.3 ± 0.5	48.3 ± 1.3	48.9 ± 1.3
100 ppm	0 ± 0	0.1 ± 0.1	0.1 ± 0	1.2 ± 0.5	48.3 ± 1.3	48.9 ± 1.1

*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	Hemoglobin g per dL	Hemolysis	Lymphocyte Count 1000 per uL	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL
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Day 93

0 ppm	15.5 ± 0.4	0 ± 0	5.8 ± 1.9	79.2 ± 8.1	17.7 ± 0.7	31.9 ± 0.2
6.25 ppm	15.3 ± 0.4	0 ± 0	5.9 ± 1.5	80.3 ± 6	17.8 ± 0.8	32.1 ± 0.5
12.5 ppm	15.1 ± 0.5	0 ± 0	5.7 ± 1.9	78.3 ± 8.3	17.8 ± 0.8	32 ± 0.3
25 ppm	15.3 ± 0.5	0 ± 0	5.4 ± 1.6	79.1 ± 7.8	17.8 ± 0.8	31.9 ± 0.3
50 ppm	15.5 ± 0.4	0 ± 0	6.1 ± 1.9	79.5 ± 6.5	17.8 ± 0.9	32 ± 0.4
100 ppm	15.4 ± 0.4	0.1 ± 0.2	5.8 ± 1.8	79.9 ± 6.9	17.9 ± 0.8	31.8 ± 0.3

*p < 0.05

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MALE

Treatment Groups	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL	Monocyte Percentage %	Nucleated Rbc Count 1000 per uL	Nucleated Rbc Per 100 Wbc per 100 WC	Platelet Count 1000 per uL
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Day 93

0 ppm	55.5 ± 2.3	0.3 ± 0.3	4.4 ± 4.4	7.3 ± 1.8	0.1 ± 0.4	670.4 ± 78.2
6.25 ppm	55.5 ± 2.7	0.2 ± 0.2	3.4 ± 3.5	7.3 ± 1.6	0.1 ± 0.3	693.8 ± 62.5
12.5 ppm	55.6 ± 2.6	0.3 ± 0.3	5.1 ± 4.2	7.2 ± 1.8	0.2 ± 0.6	675.2 ± 76.7
25 ppm	55.8 ± 2.5	0.3 ± 0.2	4.4 ± 3.9	6.8 ± 1.4	0.1 ± 0.3	648.8 ± 71.1
50 ppm	55.7 ± 2.8	0.3 ± 0.3	4.5 ± 4.2	7.6 ± 2	0.1 ± 0.3	672.7 ± 79
100 ppm	56.1 ± 2.4	0.3 ± 0.2	4.2 ± 3.8	7.1 ± 1.7	0.3 ± 0.6	686.5 ± 81.6

*p < 0.05

**p < 0.01

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MALE

Treatment Groups	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	Reticulocyte Percentage count per 100 RBC	Segmented Neutrophil Count 1000 per uL	Segmented Neutrophil Percentage %	White Blood Cell Count 1000 per uL
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Day 93

0 ppm	8.8 ± 0.5	211.7 ± 61.9	24.6 ± 8.3	1 ± 0.2	15.1 ± 4.7	7.2 ± 1.8
6.25 ppm	8.6 ± 0.5	236.2 ± 55.4	27.7 ± 7.8	1.1 ± 0.2	14.9 ± 3	7.3 ± 1.6
12.5 ppm	8.5 ± 0.6	242.6 ± 83.8	29.4 ± 11.9	1 ± 0.2	15 ± 4.5	7.2 ± 1.8
25 ppm	8.6 ± 0.6	244.9 ± 78.4	29.3 ± 11.3	1 ± 0.2	15.1 ± 4.5	6.8 ± 1.4
50 ppm	8.7 ± 0.6	257 ± 79.8	30.2 ± 11	1 ± 0.2	14.6 ± 4.4	7.6 ± 2
100 ppm	8.6 ± 0.5	263.6 ± 77.3	31.2 ± 10.7	1 ± 0.2	14.6 ± 3.9	7.1 ± 1.7

*p < 0.05

**p < 0.01

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FEMALE

Treatment Groups	Basophil Count 1000 per uL	Basophil Percentage %	Eosinophil Count	Eosinophil Percentage %	Hematocrit %	Hematocrit Manual %
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Day 93

0 ppm	0 ± 0	0.1 ± 0.1	0.1 ± 0	1.3 ± 0.3	48.1 ± 1.4	48.6 ± 1.4
6.25 ppm	0 ± 0	0.1 ± 0.1	0.1 ± 0	1.5 ± 0.7	48.1 ± 0.9	48.3 ± 0.9
12.5 ppm	0 ± 0	0.1 ± 0.1	0.1 ± 0	1.4 ± 0.5	47.2 ± 0.7	47.5 ± 0.7
25 ppm	0 ± 0	0.1 ± 0.2	0.1 ± 0	1.4 ± 0.4	47.7 ± 1.1	48.1 ± 1.3
50 ppm	0 ± 0	0.1 ± 0.1	0.1 ± 0	1.2 ± 0.5	47.5 ± 1.3	48.1 ± 1.1
100 ppm	0 ± 0	0.1 ± 0.1	0.1 ± 0	1.1 ± 0.5	48.1 ± 1.2	48.4 ± 1.4

*p < 0.05

**p < 0.01

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FEMALE

Treatment Groups	Hemoglobin g per dL	Lymphocyte Count 1000 per uL	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL
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Day 93

0 ppm	15.4 ± 0.4	6.2 ± 1.4	82.7 ± 5.1	18.5 ± 0.4	32.2 ± 0.5	57.5 ± 1.1
6.25 ppm	15.5 ± 0.3	5 ± 1.1	80.5 ± 5	18.5 ± 0.4	32.2 ± 0.3	57.5 ± 1.3
12.5 ppm	15.3 ± 0.2	6.1 ± 1.9	82.6 ± 6.5	18.5 ± 0.4	32.4 ± 0.3	57 ± 1.1
25 ppm	15.4 ± 0.3	6.1 ± 1.8	84.4 ± 4.4	18.4 ± 0.4	32.2 ± 0.2	57.2 ± 1.2
50 ppm	15.3 ± 0.4	5.8 ± 2	80.1 ± 6.3	18.5 ± 0.4	32.1 ± 0.4	57.5 ± 1.1
100 ppm	15.4 ± 0.5	5.8 ± 2	81.5 ± 7.9	18.4 ± 0.3	32.1 ± 0.5	57.3 ± 0.7

*p < 0.05

**p < 0.01

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FEMALE

Treatment Groups	Monocyte Count 1000 per uL	Monocyte Percentage %	Nucleated Rbc Count 1000 per uL	Nucleated Rbc Per 100 Wbc per 100 WC	Platelet Count 1000 per uL	Red Blood Cell Count million per uL
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Day 93

0 ppm	0.2 ± 0.2	2.7 ± 2.8	7.4 ± 1.4	0.2 ± 0.4	674.5 ± 72.3	8.4 ± 0.3
6.25 ppm	0.2 ± 0.3	2.6 ± 3.2	6.3 ± 1.3	0.3 ± 0.5	666.8 ± 71.2	8.4 ± 0.2
12.5 ppm	0.2 ± 0.2	3.1 ± 3.7	7.3 ± 1.8	0.4 ± 0.5	644.7 ± 68.8	8.3 ± 0.2
25 ppm	0.2 ± 0.2	2.4 ± 2.2	7.2 ± 1.7	0.3 ± 0.7	663.8 ± 54.4	8.4 ± 0.2
50 ppm	0.2 ± 0.2	3.7 ± 3.1	7.2 ± 2.2	0.3 ± 0.7	656.8 ± 61.5	8.3 ± 0.3
100 ppm	0.3 ± 0.2	3.9 ± 3.1	7 ± 1.9	0.4 ± 0.6	670 ± 67.1	8.4 ± 0.3

*p < 0.05

**p < 0.01

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FEMALE

Treatment Groups	Reticulocyte Count 1000 per microliter	Reticulocyte Percentage count per 100 RBC	Segmented Neutrophil Count 1000 per uL	Segmented Neutrophil Percentage %	White Blood Cell Count 1000 per uL
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Day 93

0 ppm	189.6 ± 36	22.7 ± 4.5	1 ± 0.3	13.3 ± 4.3	7.4 ± 1.5
6.25 ppm	195.8 ± 58.8	23.5 ± 7.4	0.9 ± 0.3	15.4 ± 4.8	6.2 ± 1.3
12.5 ppm	196.3 ± 36.4	23.8 ± 4.5	0.9 ± 0.2	12.8 ± 3.7	7.3 ± 1.8
25 ppm	198.8 ± 52.1	23.9 ± 6.3	0.8 ± 0.1	11.7 ± 3.7	7.2 ± 1.8
50 ppm	206.3 ± 60.9	25.1 ± 7.6	1 ± 0.3	14.9 ± 4.9	7.2 ± 2.2
100 ppm	226.8 ± 45.2	27.1 ± 5.5	0.9 ± 0.3	13.5 ± 5.7	7 ± 1.9

** END OF REPORT **

*p < 0.05

**p < 0.01

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