

Experiment Number: 55301-02

Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:56:05

First Dose M/F: NA / NA

Lab: NA

C Number: C55301B

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

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Lab: NA

MALE

Treatment Groups	Basophil Count 1000 per uL	Eosinophil Count	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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Day 90

0 ppm	0 ± 0	0 ± 0	48.2 ± 2	46.8 ± 1.7	15.8 ± 0.7	7.6 ± 1.1
50 ppm	0 ± 0	0 ± 0.1	48.4 ± 2.3	47 ± 2.7	15.9 ± 0.8	9.1 ± 1.4
100 ppm	0 ± 0	0 ± 0	47.5 ± 1.6	46.1 ± 1.4	15.5 ± 0.5	8 ± 1.2
250 ppm	0 ± 0	0 ± 0	47 ± 1.3*	45.5 ± 1.5*	15.3 ± 0.5*	8.1 ± 1.2
500 ppm	0 ± 0	0.1 ± 0.1	46.8 ± 1.5*	45.4 ± 1.7**	15.3 ± 0.6**	8.1 ± 1.5
1000 ppm	0 ± 0	0 ± 0	45 ± 2.1**	43.2 ± 2.1**	14.6 ± 0.8**	8.8 ± 1.4*

*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	Monocyte Count 1000 per uL	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL
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Day 90

0 ppm	17.6 ± 0.7	32.8 ± 0.5	53.5 ± 2.1	0 ± 0.1	0 ± 0	794 ± 90.2
50 ppm	17.6 ± 0.7	32.9 ± 0.4	53.5 ± 2.3	0 ± 0.1	0 ± 0.1	806.8 ± 122.3
100 ppm	17.5 ± 0.8	32.7 ± 0.6	53.6 ± 2.4	0 ± 0.1	0 ± 0	806.4 ± 96.8
250 ppm	17.5 ± 0.7	32.5 ± 0.5	53.8 ± 2	0 ± 0	0 ± 0	839 ± 93.6
500 ppm	17.5 ± 0.8	32.6 ± 0.5	53.5 ± 2.2	0 ± 0	0 ± 0	928.8 ± 188.7**
1000 ppm	17.4 ± 0.8	32.5 ± 0.5*	53.5 ± 2.2	0.1 ± 0.1	0 ± 0.1	912.1 ± 159.1**

*p < 0.05

**p < 0.01

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MALE

Treatment Groups	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	White Blood Cell Count 1000 per uL
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Day 90

0 ppm	9 ± 0.3	0.2 ± 0	9.4 ± 1.3
50 ppm	9 ± 0.2	0.2 ± 0	10.9 ± 1.4
100 ppm	8.9 ± 0.4	0.2 ± 0.1	9.4 ± 1.3
250 ppm	8.8 ± 0.3*	0.2 ± 0	9.6 ± 1.1
500 ppm	8.8 ± 0.3*	0.2 ± 0	9.9 ± 1.6
1000 ppm	8.4 ± 0.5**	0.2 ± 0.1	10.5 ± 1.8

*p < 0.05

**p < 0.01

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Lab: NA

FEMALE

Treatment Groups	Eosinophil Count	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL	Mean Cell Hemoglobin pg
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Day 90

0 ppm	0 ± 0	47.3 ± 1.4	45.7 ± 1.4	16.2 ± 0.6	7.3 ± 1.2	19.2 ± 1
50 ppm	0 ± 0	46.4 ± 1.6	44.9 ± 1.7	15.8 ± 0.6	7.5 ± 1.2	19.2 ± 1.1
100 ppm	0 ± 0.1	46.6 ± 1.5	45.1 ± 1.6	15.8 ± 0.6	7.3 ± 1.2	19.1 ± 1.1
250 ppm	0 ± 0.1	45.2 ± 2.4**	43.4 ± 2.9	15.1 ± 0.9**	7.1 ± 1.3	19.1 ± 1
500 ppm	0 ± 0	44.3 ± 2**	42.6 ± 2.4	14.9 ± 0.8**	7.4 ± 1	18.9 ± 1.1
1000 ppm	0 ± 0	46.2 ± 3.3*	44.8 ± 3.7	15.4 ± 1.2**	7.2 ± 1.4	18.5 ± 1*

*p < 0.05

**p < 0.01

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FEMALE

Treatment Groups	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL	Red Blood Cell Count million per uL
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Day 90

0 ppm	34.2 ± 0.6	56 ± 2.6	0 ± 0	0 ± 0	826.1 ± 123.7	8.5 ± 0.3
50 ppm	34 ± 0.8	56.4 ± 2.5	0 ± 0.1	0 ± 0	813 ± 98	8.2 ± 0.3
100 ppm	33.8 ± 0.6*	56.5 ± 2.7	0 ± 0.1	0 ± 0	807 ± 143.9	8.3 ± 0.3
250 ppm	33.4 ± 0.7**	56.8 ± 2.9	0.1 ± 0.1	0 ± 0	860.5 ± 159.2	7.9 ± 0.3
500 ppm	33.6 ± 0.9*	56.2 ± 2.2	0.1 ± 0.1	0 ± 0	839.5 ± 120.1	7.9 ± 0.3
1000 ppm	33.2 ± 0.7**	55.7 ± 2.1	0 ± 0.1	0 ± 0	785.3 ± 167.5	8.3 ± 0.5

*p < 0.05

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FEMALE

Treatment Groups	Reticulocyte Count million per uL	White Blood Cell Count 1000 per uL
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Day 90

0 ppm	0.2 ± 0	8.8 ± 1.2
50 ppm	0.2 ± 0	9 ± 1
100 ppm	0.2 ± 0	8.8 ± 1.1
250 ppm	0.2 ± 0	8.7 ± 1.5
500 ppm	0.2 ± 0	9 ± 1
1000 ppm	0.2 ± 0	8.8 ± 1.3

**** END OF REPORT ****

*p < 0.05

**p < 0.01

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