

Experiment Number: 05199-03

Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:41:40

First Dose M/F: NA / NA

Lab: NA

C Number: C62135

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	Eosinophil Count	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL
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Day 91

0 ppm	0 ± 0.1	47.8 ± 2.2	15.6 ± 0.7	6.9 ± 1.5	18.1 ± 1	32.7 ± 0.9
750 ppm	0 ± 0	46.1 ± 1.8**	15 ± 0.6**	6.8 ± 1.3	17.7 ± 1	32.6 ± 1
1500 ppm	0 ± 0.1	45.9 ± 2**	15 ± 0.5**	5.7 ± 1.3**	17.6 ± 0.9	32.6 ± 0.9
3000 ppm	0 ± 0	44.1 ± 2.5**	14.3 ± 0.6**	4.5 ± 1.1**	17.8 ± 1.1	32.6 ± 0.9
4500 ppm	0 ± 0	42.9 ± 6.5**	13.6 ± 2**	2.6 ± 0.8**	18.4 ± 0.7	31.8 ± 0.7**
6000 ppm	0 ± 0	43.6 ± 1.5**	13.9 ± 0.5**	2.5 ± 0.6**	18.8 ± 0.3	32 ± 0.3*

*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 Corpuscular Volume fL	Methemoglobin Pct Hgb %	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 91

0 ppm	55.5 ± 3.3	0.7 ± 0.4	0.1 ± 0.1	0 ± 0	786.1 ± 158.1	8.7 ± 0.7
750 ppm	54.3 ± 3.7	0.6 ± 0.3	0.1 ± 0.1	0 ± 0.1	740.9 ± 116.7	8.5 ± 0.8
1500 ppm	53.9 ± 3.8	0.6 ± 0.3	0.1 ± 0.1	0 ± 0	617.1 ± 135.4**	8.5 ± 0.7
3000 ppm	54.6 ± 3.3	0.8 ± 0.4	0.1 ± 0.1	0 ± 0	391.5 ± 116.4**	8.1 ± 0.8**
4500 ppm	58 ± 2.8	0.6 ± 0.5	0.1 ± 0.1	0 ± 0	324.9 ± 68**	7.4 ± 1**
6000 ppm	58.6 ± 0.7	0.7 ± 0.3	0 ± 0	0 ± 0	276.2 ± 62.4**	7.4 ± 0.3**

*p < 0.05

**p < 0.01

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MALE

Treatment Groups	Reticulocyte Count million per uL	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
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Day 91

0 ppm	0.2 ± 0.1	1.1 ± 0.4	8 ± 1.5
750 ppm	0.2 ± 0.1	1 ± 0.4	7.9 ± 1.6
1500 ppm	0.2 ± 0.1	0.9 ± 0.4	6.8 ± 1.5**
3000 ppm	0.1 ± 0	0.7 ± 0.3**	5.3 ± 1.3**
4500 ppm	0.1 ± 0**	0.5 ± 0.4**	3.1 ± 1.1**
6000 ppm	0 ± 0**	0.4 ± 0.1**	2.9 ± 0.7**

*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.

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FEMALE

Treatment Groups	Eosinophil Count	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL
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Day 91

0 ppm	0 ± 0.1	46.5 ± 2.1	15.7 ± 0.5	7 ± 1.3	18.7 ± 0.8	33.7 ± 0.9
750 ppm	0 ± 0	45.9 ± 2.5	15.4 ± 0.6	6.2 ± 1*	18.5 ± 0.9	33.5 ± 1
1500 ppm	0.1 ± 0.1	44.8 ± 2.8*	15.1 ± 0.7**	5.6 ± 1.6**	18.3 ± 0.9	33.8 ± 0.8
3000 ppm	0 ± 0	42.5 ± 1.9**	14.2 ± 0.5**	3.9 ± 1.1**	18.1 ± 1.3	33.3 ± 0.9
4500 ppm	0 ± 0	42.7 ± 2.3**	14.4 ± 0.8**	3.4 ± 1.1**	18.6 ± 1.2	33.7 ± 0.8
6000 ppm	0 ± 0	43.4 ± 2.1**	14.9 ± 0.6**	3 ± 0.8**	19.7 ± 0.4*	34.3 ± 0.5

*p < 0.05

**p < 0.01

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FEMALE

Treatment Groups	Mean Corpuscular Volume fL	Methemoglobin Pct Hgb %	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 91

0 ppm	55.6 ± 2	0.7 ± 0.4	0.1 ± 0.1	0 ± 0	788 ± 113.9	8.4 ± 0.4
750 ppm	55.2 ± 2.1	0.7 ± 0.4	0.1 ± 0.1	0 ± 0	697.5 ± 70.2**	8.3 ± 0.5
1500 ppm	54.3 ± 2.7	0.7 ± 0.3	0.1 ± 0.1	0 ± 0	535.3 ± 49.8**	8.3 ± 0.6
3000 ppm	54.3 ± 3.5	0.9 ± 0.4	0.1 ± 0.1	0 ± 0	334.8 ± 87.3**	7.8 ± 0.5**
4500 ppm	55.3 ± 2.8	0.9 ± 0.4	0 ± 0	0 ± 0	245.4 ± 117.4**	7.7 ± 0.4**
6000 ppm	57.4 ± 0.8	0.9 ± 0.5	0.1 ± 0.1	0 ± 0	159.9 ± 68.8**	7.6 ± 0.4**

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Treatment Groups	Reticulocyte Count million per uL	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
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Day 91

0 ppm	0.2 ± 0.1	1 ± 0.5	8.1 ± 1.4
750 ppm	0.1 ± 0	0.8 ± 0.4	7.2 ± 1*
1500 ppm	0.1 ± 0**	0.8 ± 0.2	6.5 ± 1.7**
3000 ppm	0.1 ± 0.1**	0.6 ± 0.2**	4.5 ± 1.2**
4500 ppm	0 ± 0**	0.5 ± 0.3**	3.9 ± 1.2**
6000 ppm	0 ± 0**	0.4 ± 0.3**	3.5 ± 0.9**

**** END OF REPORT ****

*p < 0.05

**p < 0.01

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