

**Experiment Number:** 05197-03

**Species/Strain:** Rat/Fischer 344

**P43: Terminal Sacrifice Hematology Data**

**Date Report Requested:** 10/24/2014

**Time Report Requested:** 18:11:01

**First Dose M/F:** NA / NA

**Lab:** NA

**C Number:** C62077

**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**

<b>0 ppm</b>	0 ± 0	44.7 ± 2.6	14.9 ± 0.6	6.6 ± 2	18.8 ± 1.3	33.4 ± 1.1
<b>750 ppm</b>	0 ± 0	45.3 ± 1.7	15.1 ± 0.5	6.8 ± 1.6	18.7 ± 1.1	33.3 ± 1
<b>1500 ppm</b>	0 ± 0.1	44.2 ± 3.2	14.5 ± 1	6.4 ± 1.8	19 ± 1.3	32.8 ± 1.2
<b>3000 ppm</b>	0 ± 0.1	44.4 ± 3.1	14.3 ± 1.1	6.5 ± 1.8	19.5 ± 1.4	<b>32.2 ± 1.5**</b>
<b>4500 ppm</b>	0 ± 0.1	44.7 ± 2.5	<b>14.3 ± 0.6**</b>	8.7 ± 5.6	<b>20 ± 1.2**</b>	<b>32 ± 1.3**</b>
<b>6000 ppm</b>	0.1 ± 0.1	46 ± 3	<b>14.2 ± 0.8**</b>	11.5 ± 9.4	<b>20.7 ± 1.6**</b>	<b>31 ± 1.5**</b>

\*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.

## 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

<b>0 ppm</b>	56.3 ± 3.4	1 ± 0.5	0.1 ± 0.1	0 ± 0	739.9 ± 100.8	8 ± 0.7
<b>750 ppm</b>	56.2 ± 3.9	1 ± 0.4	0.1 ± 0.1	0 ± 0.1	727.6 ± 109.8	8.1 ± 0.6
<b>1500 ppm</b>	57.9 ± 4.7	1.2 ± 0.5	0.1 ± 0.1	0 ± 0.1	696 ± 97.8	7.7 ± 0.9
<b>3000 ppm</b>	<b>60.9 ± 6**</b>	1.1 ± 0.7	0.1 ± 0.1	0.3 ± 0.5	708.7 ± 99.5	<b>7.4 ± 0.9*</b>
<b>4500 ppm</b>	<b>62.7 ± 5.4**</b>	1 ± 0.6	0.2 ± 0.4	0.2 ± 0.6	680.2 ± 101.7	<b>7.2 ± 0.5**</b>
<b>6000 ppm</b>	<b>67 ± 7.1**</b>	1 ± 0.6	0.1 ± 0.2	<b>0.6 ± 1.1**</b>	695 ± 98.8	<b>6.9 ± 0.7**</b>

\*p &lt; 0.05

\*\*p &lt; 0.01

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**MALE**

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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**

<b>0 ppm</b>	0.2 ± 0.1	1.1 ± 0.4	7.8 ± 2
<b>750 ppm</b>	0.3 ± 0.2	1.1 ± 0.4	7.9 ± 1.6
<b>1500 ppm</b>	0.2 ± 0.1	1.2 ± 0.5	7.7 ± 1.9
<b>3000 ppm</b>	0.3 ± 0.1	1.6 ± 0.7	8.2 ± 2.1
<b>4500 ppm</b>	<b>0.5 ± 0.4*</b>	1.6 ± 1	10.5 ± 6.6
<b>6000 ppm</b>	<b>0.6 ± 0.4**</b>	<b>1.9 ± 1.8*</b>	13.6 ± 10.8

\*p < 0.05

\*\*p < 0.01

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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

<b>0 ppm</b>	0 ± 0	46.2 ± 2.2	15.4 ± 0.7	6.5 ± 1.5	18.8 ± 0.7	33.3 ± 0.9
<b>750 ppm</b>	0 ± 0.1	44.8 ± 2.3	15.1 ± 0.7	6 ± 1.4	<b>19.5 ± 0.9**</b>	33.6 ± 1
<b>1500 ppm</b>	0 ± 0.1	44.4 ± 2.6	<b>14.7 ± 0.8**</b>	6.1 ± 1.6	<b>20.1 ± 0.7**</b>	33.1 ± 1
<b>3000 ppm</b>	0 ± 0	43.4 ± 3.7	<b>14.2 ± 1.1**</b>	7.4 ± 3.2	<b>20.8 ± 1**</b>	32.9 ± 1.2
<b>4500 ppm</b>	0.1 ± 0.1	44 ± 3	<b>14.1 ± 0.9**</b>	14.5 ± 12.8	<b>21.8 ± 1.7**</b>	<b>32.2 ± 1.3**</b>
<b>6000 ppm</b>	0 ± 0.1	44.6 ± 3.7	<b>13.7 ± 0.8**</b>	<b>13.5 ± 11.5*</b>	<b>22.1 ± 2**</b>	<b>30.9 ± 2**</b>

\*p &lt; 0.05

\*\*p &lt; 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

<b>0 ppm</b>	56.5 ± 2	0.8 ± 0.4	0.1 ± 0.1	0 ± 0.1	814.8 ± 129	8.2 ± 0.4
<b>750 ppm</b>	<b>58 ± 1.6**</b>	0.9 ± 0.4	0.1 ± 0.1	0.1 ± 0.1	806.1 ± 153.4	<b>7.7 ± 0.4**</b>
<b>1500 ppm</b>	<b>60.7 ± 1.2**</b>	0.8 ± 0.4	0.1 ± 0.1	0.1 ± 0.1	803 ± 146.7	<b>7.3 ± 0.5**</b>
<b>3000 ppm</b>	<b>63.5 ± 2.3**</b>	0.9 ± 0.5	0.2 ± 0.2	<b>0.3 ± 0.5*</b>	785.1 ± 217.3	<b>6.9 ± 0.7**</b>
<b>4500 ppm</b>	<b>67.9 ± 4.7**</b>	0.9 ± 0.6	0.3 ± 0.6	<b>2.1 ± 3.6**</b>	784.6 ± 267.5	<b>6.5 ± 0.7**</b>
<b>6000 ppm</b>	<b>71.5 ± 3.8**</b>	1 ± 0.5	0.2 ± 0.2	<b>1.8 ± 2.9**</b>	775.7 ± 268	<b>6.3 ± 0.7**</b>

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FEMALE

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	7.6 ± 1.6
750 ppm	0.2 ± 0.1	1.1 ± 0.6	7.2 ± 1.5
1500 ppm	0.2 ± 0.1	0.9 ± 0.5	7.2 ± 1.8
3000 ppm	<b>0.3 ± 0.2**</b>	1.2 ± 0.8	8.8 ± 3.8
4500 ppm	<b>0.5 ± 0.5**</b>	<b>2.3 ± 2.4*</b>	17.2 ± 15.2
6000 ppm	<b>0.6 ± 0.5**</b>	<b>2.1 ± 2.2*</b>	<b>15.9 ± 13.5*</b>

\*\* END OF REPORT \*\*

\*p < 0.05

\*\*p < 0.01

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