

**Experiment Number:** 88006-01

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

**P43: Terminal Sacrifice Hematology Data**

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 00:05:18

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

**Lab:** NA

**C Number:** C88006B

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Treatment Groups	Band Neutrophil Count 1000 per microliter	Band Neutrophil Percentage %	Basophil Count 1000 per uL	Basophil Percentage %	Eosinophil Count	Eosinophil Percentage %
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**Day 93**

<b>0 ppm</b>	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0.1	0.4 ± 0.8
<b>75 ppm</b>	0 ± 0	0 ± 0	0 ± 0	0.1 ± 0.3	0 ± 0.1	0.3 ± 0.6
<b>150 ppm</b>	0 ± 0	0 ± 0.2	0 ± 0	0.1 ± 0.2	0 ± 0	0.2 ± 0.4
<b>300 ppm</b>	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0.1 ± 0.1	0.6 ± 0.6
<b>600 ppm</b>	0 ± 0	0 ± 0	0 ± 0	0.1 ± 0.3	0.1 ± 0.1	0.7 ± 0.9
<b>1000 ppm</b>	0 ± 0	0 ± 0	0 ± 0	0.1 ± 0.3	0 ± 0	0.3 ± 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.

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**MALE**

Treatment Groups	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL	Lymphocyte Percentage %	Mean Cell Hemoglobin pg
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**Day 93**

<b>0 ppm</b>	46.3 ± 2.5	46.5 ± 2.4	15.1 ± 0.6	7.4 ± 1.8	83.7 ± 5	18.6 ± 0.7
<b>75 ppm</b>	46.1 ± 2.4	46.3 ± 2.4	15 ± 0.5	7.2 ± 2	82 ± 4.6	18.7 ± 0.9
<b>150 ppm</b>	45.9 ± 2.7	45.7 ± 3.2	14.9 ± 0.6	6.6 ± 2.3	83 ± 4.3	18.5 ± 0.8
<b>300 ppm</b>	45.2 ± 2.5	45.5 ± 3	14.9 ± 0.4	7.1 ± 2.5	82.4 ± 4	19 ± 0.7
<b>600 ppm</b>	45 ± 3.2	45.2 ± 3.3	14.7 ± 0.6	7.2 ± 2	83.5 ± 4	18.9 ± 0.7
<b>1000 ppm</b>	45.9 ± 4.1	45.8 ± 3.8	14.9 ± 0.7	6.3 ± 1.4	81.6 ± 3.9	20.2 ± 6.7

\*p < 0.05

\*\*p < 0.01

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**MALE**

Treatment Groups	Mean Cell Hemoglobin Concentration g per dL	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
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**Day 93**

<b>0 ppm</b>	32.8 ± 1.2	56.8 ± 3.5	0.1 ± 0.1	1.5 ± 1.4	8.8 ± 1.7	0.3 ± 0.5
<b>75 ppm</b>	32.7 ± 0.9	57.4 ± 3.9	0.2 ± 0.2	2 ± 1.9	8.8 ± 2	0.2 ± 0.4
<b>150 ppm</b>	32.5 ± 1	57 ± 3.6	0.1 ± 0.2	0.9 ± 1.6	7.8 ± 2.6	0 ± 0
<b>300 ppm</b>	33 ± 1.3	57.5 ± 4	0.2 ± 0.2	2.1 ± 1.5	8.6 ± 2.9	0.3 ± 0.6
<b>600 ppm</b>	32.9 ± 1.5	57.5 ± 3.8	0.2 ± 0.2	1.8 ± 1.7	8.7 ± 2.3	0.7 ± 0.9
<b>1000 ppm</b>	32.6 ± 1.6	57.5 ± 3.9	0.1 ± 0.1	1.3 ± 1.1	7.8 ± 1.7	0.3 ± 0.8

\*p < 0.05

\*\*p < 0.01

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First Dose MF: NA / NA

Lab: NA

**MALE**

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

<b>0 ppm</b>	705 ± 85.4	8.2 ± 0.4	0.2 ± 0.1	23.6 ± 8.1	1.2 ± 0.3	14.4 ± 5.4
<b>75 ppm</b>	721.6 ± 73.9	8.1 ± 0.4	0.2 ± 0	22.2 ± 6.1	1.3 ± 0.4	15.5 ± 5.2
<b>150 ppm</b>	701.5 ± 108.6	8.1 ± 0.4	0.2 ± 0.1	24.4 ± 7.2	1.2 ± 0.4	15.7 ± 4.4
<b>300 ppm</b>	729.8 ± 101.9	7.9 ± 0.3	0.2 ± 0.1	23.5 ± 7.2	1.2 ± 0.5	14.9 ± 4.5
<b>600 ppm</b>	761.6 ± 105	7.8 ± 0.3	0.2 ± 0.1	27.9 ± 11	1.2 ± 0.4	14 ± 4.6
<b>1000 ppm</b>	756.3 ± 110.3	8 ± 0.3	0.2 ± 0.1	23.6 ± 7.1	1.3 ± 0.4	16.6 ± 3.8

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\*\*p < 0.01

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First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Treatment Groups	White Blood Cell Count 1000 per uL
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**Day 93**

<b>0 ppm</b>	8.8 ± 1.7
<b>75 ppm</b>	8.8 ± 2
<b>150 ppm</b>	7.8 ± 2.6
<b>300 ppm</b>	8.5 ± 2.9
<b>600 ppm</b>	8.6 ± 2.3
<b>1000 ppm</b>	7.8 ± 1.7

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\*\*p < 0.01

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Lab: NA

FEMALE

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

<b>0 ppm</b>	0 ± 0	0 ± 0	0 ± 0.1	0.7 ± 0.9	44.5 ± 1.9	45.9 ± 2.9
<b>75 ppm</b>	0 ± 0	0 ± 0	0 ± 0	0.4 ± 0.6	44.9 ± 2	46 ± 2.6
<b>150 ppm</b>	0 ± 0	0 ± 0	0 ± 0.1	0.5 ± 0.6	45 ± 2.1	46.3 ± 3
<b>300 ppm</b>	0 ± 0	0 ± 0	0.1 ± 0.1	0.7 ± 0.7	44.6 ± 2	46.3 ± 2.3
<b>600 ppm</b>	0 ± 0	0 ± 0	0 ± 0.1	0.6 ± 0.9	44.7 ± 2.7	46.1 ± 3.2
<b>1000 ppm</b>	0 ± 0	0 ± 0.2	0.1 ± 0.1	0.9 ± 0.9	44.7 ± 2.7	45.8 ± 3.6

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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

<b>0 ppm</b>	15 ± 0.5	6.8 ± 1.4	85.8 ± 5.2	20.1 ± 0.7	33.7 ± 0.9	59.6 ± 1.8
<b>75 ppm</b>	15.2 ± 0.6	7.1 ± 1.7	84.2 ± 6.6	20.2 ± 0.8	33.8 ± 0.8	59.6 ± 2.3
<b>150 ppm</b>	15.3 ± 0.6	7 ± 1.8	84.2 ± 5.3	20.1 ± 0.7	33.9 ± 0.7	59.2 ± 2
<b>300 ppm</b>	15.2 ± 0.6	7 ± 2	84.5 ± 4.7	20.3 ± 0.7	34.2 ± 0.7	59.5 ± 2.1
<b>600 ppm</b>	15.1 ± 0.7	6.9 ± 1.9	84.6 ± 3.8	20.1 ± 0.5	33.8 ± 0.8	59.5 ± 1.9
<b>1000 ppm</b>	15 ± 0.8	5.9 ± 1	83.8 ± 5.2	20.2 ± 0.8	33.6 ± 0.7	60.1 ± 2.3

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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
<b>Day 93</b>						
<b>0 ppm</b>	0.1 ± 0.1	0.7 ± 0.8	8 ± 1.5	0.2 ± 0.7	699.9 ± 46.2	7.4 ± 0.2
<b>75 ppm</b>	0.1 ± 0.1	1.1 ± 0.9	8.5 ± 1.7	0.3 ± 0.6	716.2 ± 67.8	7.5 ± 0.3
<b>150 ppm</b>	0.1 ± 0.1	0.8 ± 1	8.3 ± 2.2	0.2 ± 0.5	692.8 ± 66.9	7.6 ± 0.3
<b>300 ppm</b>	0.1 ± 0.1	1.1 ± 1.2	8.2 ± 2.3	0.2 ± 0.4	693.7 ± 63.2	7.5 ± 0.3
<b>600 ppm</b>	0.1 ± 0.1	0.8 ± 1.1	8.2 ± 2.1	0.2 ± 0.6	681.4 ± 58.5	7.5 ± 0.3
<b>1000 ppm</b>	0.1 ± 0.1	0.9 ± 0.9	7.1 ± 1.3	<b>0.7 ± 0.7**</b>	706.8 ± 84.9	7.5 ± 0.4

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FEMALE

Treatment Groups	Reticulocyte Count million per uL	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	0.1 ± 0	19.6 ± 6.3	1 ± 0.4	12.9 ± 5.1	8 ± 1.5
75 ppm	0.1 ± 0	19.3 ± 5.6	1.2 ± 0.6	14.3 ± 6.7	8.4 ± 1.7
150 ppm	0.2 ± 0	20.3 ± 6.3	1.2 ± 0.6	14.5 ± 5	8.3 ± 2.2
300 ppm	0.1 ± 0	19.1 ± 5.3	1.1 ± 0.5	13.8 ± 4.6	8.2 ± 2.4
600 ppm	0.1 ± 0	18.2 ± 6.2	1.1 ± 0.3	14 ± 3.7	8.2 ± 2.1
1000 ppm	0.1 ± 0.1	19.9 ± 12.3	1 ± 0.5	14.4 ± 4.8	7 ± 1.3

\*\* END OF REPORT \*\*

\*p < 0.05

\*\*p < 0.01

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