

**Experiment Number:** 99013-03

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

**P43: Terminal Sacrifice Hematology Data**

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

**Time Report Requested:** 03:02:57

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

**Lab:** NA

**C Number:** C99013

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

Experiment Number: 99013-03

Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/26/2014

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First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	Basophil Count 1000 per uL	Basophil Percentage %	Eosinophil Count	Eosinophil Percentage %	Hematocrit %	Hemoglobin g per dL
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Day 92

<b>0 ppm</b>	0.1 ± 0	0.4 ± 0.2	0.1 ± 0	1 ± 0.2	50.3 ± 1.4	15.5 ± 0.5
<b>100 ppm</b>	0.1 ± 0	0.5 ± 0.2	0.1 ± 0	0.9 ± 0.4	51.2 ± 1.3	15.7 ± 0.4
<b>200 ppm</b>	0.1 ± 0	0.5 ± 0.2	0.1 ± 0	0.9 ± 0.3	50.3 ± 1.6	15.4 ± 0.5
<b>400 ppm</b>	0.1 ± 0	0.5 ± 0.1	0.1 ± 0.1	0.9 ± 0.4	50.4 ± 1.6	15.5 ± 0.4
<b>800 ppm</b>	0.1 ± 0	0.5 ± 0.2	0.1 ± 0.1	0.9 ± 0.5	50.6 ± 1.6	15.5 ± 0.5
<b>1600 ppm</b>	0.1 ± 0	0.5 ± 0.1	0.1 ± 0.1	0.8 ± 0.4	49.2 ± 1.4	<b>15 ± 0.4*</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.

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Lab: NA

**MALE**

Treatment Groups	Large Unstained Cells Count 1000 per uL	Large Unstained Cells Percentage %	Lymphocyte Count 1000 per uL	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL
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**Day 92**

<b>0 ppm</b>	0.1 ± 0	0.8 ± 0.4	10.3 ± 0.9	84.8 ± 2.3	16.7 ± 0.1	30.8 ± 0.3
<b>100 ppm</b>	0.1 ± 0.1	1 ± 0.4	10.6 ± 1	84.9 ± 1.8	16.6 ± 0.1	30.6 ± 0.2
<b>200 ppm</b>	0.1 ± 0	1 ± 0.3	10.5 ± 1.2	84.3 ± 2.1	16.6 ± 0.1	30.7 ± 0.3
<b>400 ppm</b>	0.1 ± 0.1	0.8 ± 0.4	10.6 ± 1	83.8 ± 3.9	16.7 ± 0.1	30.7 ± 0.4
<b>800 ppm</b>	0.1 ± 0	0.7 ± 0.3	10.6 ± 1	85.2 ± 3.1	16.7 ± 0.2	30.7 ± 0.4
<b>1600 ppm</b>	0.1 ± 0	1 ± 0.3	10.3 ± 1	84.6 ± 3.1	16.9 ± 0.3	30.5 ± 0.3

\*p < 0.05

\*\*p < 0.01

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**MALE**

Treatment Groups	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL	Monocyte Percentage %	Neutrophil Count 1000 per uL	Neutrophil Percentage %	Platelet Count 1000 per uL
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**Day 92**

<b>0 ppm</b>	54.3 ± 0.5	0.4 ± 0.1	2.9 ± 0.4	1.3 ± 0.2	10.9 ± 1.9	660.2 ± 91.5
<b>100 ppm</b>	54.3 ± 0.2	0.4 ± 0.1	2.9 ± 0.4	1.3 ± 0.3	10.7 ± 1.7	699.8 ± 51.7
<b>200 ppm</b>	54 ± 0.6	0.4 ± 0.1	3.1 ± 0.4	1.4 ± 0.2	11.3 ± 1.9	689 ± 65.6
<b>400 ppm</b>	54.4 ± 0.5	0.4 ± 0.1	2.8 ± 0.6	1.6 ± 0.8	12.1 ± 3.4	624.3 ± 174.4
<b>800 ppm</b>	54.3 ± 0.6	0.3 ± 0.1	2.8 ± 0.4	1.3 ± 0.4	10.7 ± 2.6	661.5 ± 83.7
<b>1600 ppm</b>	<b>55.4 ± 1**</b>	0.4 ± 0	3 ± 0.2	1.3 ± 0.3	11.1 ± 2.6	675.5 ± 103.9

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MALE

Treatment Groups	Prothrombin Time s	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	Reticulocyte Percentage %	White Blood Cell Count 1000 per uL
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Day 92

<b>0 ppm</b>	17.5 ± 2.5	9.3 ± 0.2	244.7 ± 24.6	2.6 ± 0.3	12.2 ± 0.9
<b>100 ppm</b>	19 ± 4	9.4 ± 0.2	241.2 ± 23.1	2.6 ± 0.3	12.5 ± 1.1
<b>200 ppm</b>	16 ± 2.9	9.3 ± 0.3	236.5 ± 29.3	2.5 ± 0.3	12.4 ± 1.3
<b>400 ppm</b>	19.1 ± 4.6	9.3 ± 0.3	246.6 ± 27.1	2.7 ± 0.3	12.7 ± 1.8
<b>800 ppm</b>	19 ± 4.7	9.3 ± 0.3	255.8 ± 20.9	2.7 ± 0.2	12.4 ± 1.2
<b>1600 ppm</b>	19.1 ± 3.1	<b>8.9 ± 0.3*</b>	251 ± 18.7	2.8 ± 0.3	12.2 ± 0.8

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Lab: NA

**FEMALE**

Treatment Groups	Basophil Count 1000 per uL	Basophil Percentage %	Eosinophil Count	Eosinophil Percentage %	Hematocrit %	Hemoglobin g per dL
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**Day 92**

<b>0 ppm</b>	0 ± 0	0.3 ± 0.1	0.1 ± 0	1.1 ± 0.3	46.3 ± 1.4	14.5 ± 0.4
<b>100 ppm</b>	0 ± 0	0.4 ± 0.1	0.1 ± 0	1.2 ± 0.5	47.4 ± 1.7	14.8 ± 0.4
<b>200 ppm</b>	0 ± 0	0.5 ± 0.2	0.1 ± 0	1.1 ± 0.4	46.9 ± 1	14.7 ± 0.4
<b>400 ppm</b>	0 ± 0	0.4 ± 0.2	0.1 ± 0.1	1.2 ± 0.6	47.1 ± 1.3	14.7 ± 0.4
<b>800 ppm</b>	0 ± 0	0.4 ± 0.1	0.1 ± 0.1	1.4 ± 1.1	45.9 ± 0.9	14.3 ± 0.4
<b>1600 ppm</b>	0 ± 0	0.4 ± 0.1	0.1 ± 0	1 ± 0.3	45.6 ± 1.7	14.1 ± 0.5

\*p < 0.05

\*\*p < 0.01

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**FEMALE**

Treatment Groups	Large Unstained Cells Count 1000 per uL	Large Unstained Cells Percentage %	Lymphocyte Count 1000 per uL	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL
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**Day 92**

<b>0 ppm</b>	0.1 ± 0	0.9 ± 0.2	7.7 ± 1.1	82.6 ± 2.3	17.6 ± 0.1	31.3 ± 0.3
<b>100 ppm</b>	0.1 ± 0	0.9 ± 0.3	7 ± 1	81.8 ± 2	17.5 ± 0.2	31.2 ± 0.6
<b>200 ppm</b>	0.1 ± 0	1 ± 0.5	7.4 ± 0.6	81.4 ± 3.7	17.5 ± 0.2	31.4 ± 0.2
<b>400 ppm</b>	0.1 ± 0	0.8 ± 0.2	7.4 ± 1.6	82.1 ± 2.6	17.5 ± 0.2	31.2 ± 0.4
<b>800 ppm</b>	0.1 ± 0	0.8 ± 0.3	7.6 ± 1.3	81.6 ± 3.8	17.5 ± 0.1	31.2 ± 0.5
<b>1600 ppm</b>	0.1 ± 0	0.9 ± 0.2	8.5 ± 1	86.1 ± 2.3	17.6 ± 0.2	30.8 ± 0.4

\*p < 0.05

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FEMALE

Treatment Groups	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL	Monocyte Percentage %	Neutrophil Count 1000 per uL	Neutrophil Percentage %	Platelet Count 1000 per uL
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Day 92

0 ppm	56.3 ± 0.5	0.3 ± 0.1	2.7 ± 0.5	1.2 ± 0.2	13.4 ± 2.4	775.7 ± 76.1
100 ppm	56.2 ± 0.5	0.3 ± 0	3 ± 0.4	1.1 ± 0.2	13.6 ± 2	710.6 ± 98.4
200 ppm	56 ± 0.4	0.3 ± 0.1	2.9 ± 0.6	1.3 ± 0.4	14.1 ± 3.2	726.4 ± 70.7
400 ppm	56.3 ± 0.4	0.3 ± 0.1	3 ± 0.5	1.2 ± 0.2	13.3 ± 2.3	736.1 ± 47.9
800 ppm	56.3 ± 0.7	0.2 ± 0.1	2.7 ± 0.5	1.3 ± 0.2	13.9 ± 2.9	741.5 ± 105.7
1600 ppm	56.9 ± 0.6	0.3 ± 0.1	2.6 ± 0.5	1 ± 0.2	<b>10 ± 1.9*</b>	719.6 ± 56.4

\*p < 0.05

\*\*p < 0.01

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FEMALE

Treatment Groups	Prothrombin Time s	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	Reticulocyte Percentage %	White Blood Cell Count 1000 per uL
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Day 92

0 ppm	13.1 ± 1.5	8.2 ± 0.2	221.8 ± 32.9	2.7 ± 0.5	9.3 ± 1.2
100 ppm	13.9 ± 2	8.4 ± 0.2	185.7 ± 20.4	2.2 ± 0.2	8.5 ± 1.1
200 ppm	14.6 ± 2.8	8.4 ± 0.2	187.9 ± 16.4	2.2 ± 0.2	9.1 ± 0.8
400 ppm	12.5 ± 0.8	8.4 ± 0.2	202 ± 30.8	2.5 ± 0.4	9 ± 1.8
800 ppm	15.6 ± 2.5	8.2 ± 0.2	204.9 ± 18.1	2.5 ± 0.2	9.3 ± 1.2
1600 ppm	14.7 ± 2.5	8 ± 0.2	242.3 ± 25.5	3 ± 0.3	9.9 ± 1.2

\*\* END OF REPORT \*\*

\*p < 0.05

\*\*p < 0.01

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