

**Experiment Number:** 92013-03

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

**P43: Terminal Sacrifice Hematology Data**

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

**Time Report Requested:** 11:14:28

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

**Lab:** NA

**C Number:** C92013

**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

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**MALE**

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Treatment Groups	Band Neutrophil Percentage %	Blastocyte Percentage %	Eosinophil Percentage %	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL
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**Day 93**

<b>0 ppm</b>	0 ± 0	0 ± 0	0.1 ± 0.1	45.3 ± 1.7	47.2 ± 1.9	15.9 ± 0.6
<b>625 ppm</b>	0 ± 0	0 ± 0	0.1 ± 0.1	45.8 ± 1.2	47.4 ± 1.3	15.9 ± 0.3
<b>1250 ppm</b>	0 ± 0	0 ± 0	0.1 ± 0.1	45.5 ± 1.4	47.4 ± 1	15.9 ± 0.4
<b>2500 ppm</b>	0 ± 0	0 ± 0	0.1 ± 0.1	<b>44 ± 1.3**</b>	<b>45.6 ± 1**</b>	<b>15.3 ± 0.4**</b>
<b>5000 ppm</b>	0 ± 0	0 ± 0	0 ± 0.1	<b>43.5 ± 2.3**</b>	<b>45 ± 2.5**</b>	<b>15 ± 0.8**</b>
<b>10000 ppm</b>	0 ± 0	0 ± 0	0 ± 0.1	<b>41.2 ± 2.3**</b>	<b>42.8 ± 2.3**</b>	<b>14.2 ± 0.9**</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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MALE

Treatment Groups	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration %	Mean Corpuscular Volume fL	Metamyelocyte Percentage %	Monocyte Percentage %
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Day 93

<b>0 ppm</b>	10.7 ± 1.9	19.1 ± 1.3	35 ± 0.5	54.5 ± 3.6	0 ± 0	0.2 ± 0.2
<b>625 ppm</b>	<b>9 ± 1.4**</b>	18.9 ± 1.3	34.7 ± 0.6	54.5 ± 3.3	0 ± 0	0.3 ± 0.3
<b>1250 ppm</b>	<b>8.9 ± 1.3**</b>	19 ± 1.2	34.9 ± 0.7	54.5 ± 3	0 ± 0	0.3 ± 0.3
<b>2500 ppm</b>	<b>8.7 ± 1.3**</b>	18.9 ± 1.1	34.7 ± 0.5	54.2 ± 2.6	0 ± 0	0.2 ± 0.3
<b>5000 ppm</b>	<b>9.1 ± 1.7**</b>	<b>18.4 ± 1.3*</b>	<b>34.4 ± 0.5**</b>	53.5 ± 3.1	0 ± 0	0.3 ± 0.3
<b>10000 ppm</b>	<b>8.5 ± 1.5**</b>	<b>17.9 ± 1.2**</b>	<b>34.3 ± 0.6**</b>	<b>52 ± 3*</b>	0 ± 0	0.2 ± 0.2

\*p < 0.05

\*\*p < 0.01

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**MALE**

Treatment Groups	Neutrophil Percentage %	Nucleated Rbc Per 100 Wbc per 100 WC	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Percentage %	White Blood Cell Count 1000 per uL
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**Day 93**

<b>0 ppm</b>	1.5 ± 0.9	0.1 ± 0.3	625 ± 115.8	8.3 ± 0.6	0.2 ± 0	12.8 ± 2.6
<b>625 ppm</b>	1.4 ± 0.5	0.2 ± 0.4	590.9 ± 61.6	8.4 ± 0.6	0.1 ± 0	<b>11 ± 1.6**</b>
<b>1250 ppm</b>	1.4 ± 0.6	0.2 ± 0.5	608.4 ± 52.9	8.4 ± 0.5	0.1 ± 0	<b>10.8 ± 1.6**</b>
<b>2500 ppm</b>	1.5 ± 0.5	0 ± 0.2	618.9 ± 52.2	8.1 ± 0.5	0.2 ± 0	<b>10.5 ± 1.6**</b>
<b>5000 ppm</b>	1.5 ± 0.6	0.1 ± 0.3	610.3 ± 42.1	8.1 ± 0.4	0.2 ± 0	<b>11.1 ± 2.1*</b>
<b>10000 ppm</b>	1.8 ± 0.9	0.1 ± 0.2	597.6 ± 46.4	<b>7.9 ± 0.3*</b>	0.2 ± 0	<b>10.7 ± 1.8**</b>

\*p < 0.05

\*\*p < 0.01

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## FEMALE

Treatment Groups	Band Neutrophil Percentage %	Eosinophil Percentage %	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Lymphocyte Percentage %
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## Day 93

<b>0 ppm</b>	0 ± 0	0.1 ± 0.1	44.1 ± 1.6	45.2 ± 1.4	15.3 ± 0.4	7.5 ± 1.2
<b>625 ppm</b>	0 ± 0	0.1 ± 0.1	44.9 ± 1.5	46.2 ± 1.7	15.6 ± 0.5	7.5 ± 1.2
<b>1250 ppm</b>	0 ± 0	0.1 ± 0.1	45 ± 2.1	46.2 ± 1.7	15.5 ± 0.6	7 ± 1
<b>2500 ppm</b>	0 ± 0	0.1 ± 0.1	44.6 ± 2	45.3 ± 2.2	15.4 ± 0.6	7 ± 1.2
<b>5000 ppm</b>	0.1 ± 0.2	0.1 ± 0.1	44 ± 1.9	44.9 ± 1.5	15 ± 0.5	7.2 ± 2.3
<b>10000 ppm</b>	1.2 ± 2.9	0 ± 0	43.8 ± 4.4	44.3 ± 3.6	15 ± 1.2	6.2 ± 3.1

\*p &lt; 0.05

\*\*p &lt; 0.01

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**FEMALE**

Treatment Groups	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration %	Mean Corpuscular Volume fL	Monocyte Percentage %	Neutrophil Percentage %	Nucleated Rbc Per 100 Wbc per 100 WC
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**Day 93**

<b>0 ppm</b>	20.3 ± 0.9	34.7 ± 0.5	58.5 ± 2.3	0.3 ± 0.2	1.4 ± 1	0 ± 0
<b>625 ppm</b>	20.3 ± 0.8	34.6 ± 0.6	58.7 ± 2.3	0.3 ± 0.2	1.2 ± 0.6	0.2 ± 0.4
<b>1250 ppm</b>	20.2 ± 1	34.4 ± 0.8	58.8 ± 2.2	0.3 ± 0.2	1.4 ± 0.9	0.3 ± 0.6
<b>2500 ppm</b>	20 ± 0.8	34.5 ± 0.6	58.1 ± 2.2	0.3 ± 0.3	1 ± 0.5	0.1 ± 0.3
<b>5000 ppm</b>	<b>19.5 ± 0.7**</b>	34.1 ± 0.6	<b>57.2 ± 2.3*</b>	0.2 ± 0.2	1.5 ± 1.8	0.1 ± 0.3
<b>10000 ppm</b>	<b>18.4 ± 0.7**</b>	34.3 ± 0.9	<b>53.7 ± 2.7**</b>	0.2 ± 0.2	1.6 ± 0.8	0.1 ± 0.3

\*p < 0.05

\*\*p < 0.01

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FEMALE

Treatment Groups	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Percentage %	White Blood Cell Count 1000 per uL
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Day 93

0 ppm	635.5 ± 65.1	7.5 ± 0.4	0.1 ± 0	9.3 ± 1.7
625 ppm	605.5 ± 71.7	7.7 ± 0.4	0.1 ± 0	9.2 ± 1.1
1250 ppm	593.1 ± 51.4	7.7 ± 0.4	0.1 ± 0	8.9 ± 1.4
2500 ppm	593.4 ± 70.4	7.7 ± 0.3	0.1 ± 0	8.4 ± 1.2
5000 ppm	<b>563.6 ± 80.7**</b>	7.7 ± 0.3	0.1 ± 0	9.1 ± 2.1
10000 ppm	<b>569.3 ± 82.1**</b>	<b>8.1 ± 0.5**</b>	0.1 ± 0	9.3 ± 1.7

\*\* END OF REPORT \*\*

\*p < 0.05

\*\*p < 0.01

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