

Experiment Number: 96011-03

Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 14:02:35

First Dose M/F: NA / NA

Lab: NA

C Number: C96011

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

Experiment Number: 96011-03

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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

0 ppm	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0.1	0.4 ± 0.8
62.5 ppm	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0.3 ± 0.5
125 ppm	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0.5 ± 0.6
250 ppm	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0.1 ± 0.1	1.1 ± 1.4
500 ppm	0 ± 0	0 ± 0.2	0 ± 0	0 ± 0	0 ± 0.1	0.6 ± 0.9
1000 ppm	0 ± 0	0 ± 0	0 ± 0	0 ± 0.2	0 ± 0.1	0.6 ± 0.8

*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

0 ppm	46.7 ± 2.2	47.2 ± 2.3	15.1 ± 0.4	5.6 ± 1.7	83.7 ± 5.8	18.9 ± 0.7
62.5 ppm	46.6 ± 2	46.9 ± 1.8	15 ± 0.4	6.2 ± 2.1	86 ± 5.8	19 ± 0.8
125 ppm	46 ± 1.7	46.5 ± 2	15 ± 0.4	6.1 ± 1.8	83.8 ± 5.8	19.1 ± 0.9
250 ppm	45.6 ± 1.9	46 ± 2.1	14.8 ± 0.3	6.4 ± 1.7	84.3 ± 4.2	19.2 ± 0.9
500 ppm	45.5 ± 1.9	46.3 ± 2.3	14.9 ± 0.3	7.4 ± 1.4**	84.5 ± 9.3	19.2 ± 0.9
1000 ppm	46.9 ± 2.5	46.8 ± 2.6	15 ± 0.4	6.9 ± 2.2*	84.2 ± 5.6	19.1 ± 0.8

*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

0 ppm	32.5 ± 1.1	58.3 ± 3	0.1 ± 0.1	1.9 ± 1.7	7.7 ± 1.2	0.2 ± 0.4
62.5 ppm	32.3 ± 0.9	58.9 ± 3.8	0.1 ± 0.1	2 ± 1.3	8.2 ± 1.6	0.2 ± 0.4
125 ppm	32.5 ± 0.9	59 ± 3.9	0.1 ± 0.1	1.2 ± 1.3	8.1 ± 1.1	0.3 ± 0.5
250 ppm	32.6 ± 1	59 ± 3.8	0.1 ± 0.1	1.3 ± 1.6	8.1 ± 1.5	0.3 ± 0.6
500 ppm	32.7 ± 1	58.9 ± 3.6	0.1 ± 0.1	1.4 ± 1.2	9 ± 1.2**	0.1 ± 0.3
1000 ppm	32 ± 1.3	59.8 ± 4.3	0.1 ± 0.1	1.6 ± 1.3	8.8 ± 1.6*	0.7 ± 0.9

*p < 0.05

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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

0 ppm	764.5 ± 106.4	8 ± 0.3	0.2 ± 0.1	24.2 ± 7.5	0.9 ± 0.3	14 ± 5.8
62.5 ppm	768.1 ± 108.8	7.9 ± 0.4	0.2 ± 0.1	26.8 ± 9.6	0.8 ± 0.3	11.8 ± 5.4
125 ppm	784.8 ± 160	7.8 ± 0.4	0.2 ± 0.1	31.6 ± 12.1	1 ± 0.3	14.4 ± 5.3
250 ppm	779.6 ± 129	7.7 ± 0.4	0.2 ± 0.1	29.9 ± 10.7	1 ± 0.3	13.2 ± 3.5
500 ppm	836.8 ± 181.7	7.7 ± 0.3	0.2 ± 0.1	27.4 ± 9	1.2 ± 1	13.6 ± 9.8
1000 ppm	911.5 ± 164.2**	7.9 ± 0.3	0.2 ± 0.1	28.4 ± 10.4	1 ± 0.3	13.6 ± 5.5

*p < 0.05

**p < 0.01

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First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	White Blood Cell Count 1000 per uL
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Day 93

0 ppm	6.6 ± 1.7
62.5 ppm	7.2 ± 2.2
125 ppm	7.2 ± 1.9
250 ppm	7.5 ± 1.8
500 ppm	8.8 ± 1.4**
1000 ppm	8 ± 2.3*

*p < 0.05

**p < 0.01

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First Dose M/F: NA / NA

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

0 ppm	0 ± 0	0.1 ± 0.4	0 ± 0	0.8 ± 0.9	44.2 ± 2.8	45.2 ± 3.5
62.5 ppm	0 ± 0	0 ± 0	0 ± 0	0.5 ± 0.5	45.1 ± 3.7	45.4 ± 4
125 ppm	0 ± 0	0.1 ± 0.4	0 ± 0	0.5 ± 0.6	43.5 ± 2.8	45 ± 3.4
250 ppm	0 ± 0	0 ± 0	0 ± 0.1	0.7 ± 0.9	45.1 ± 3.2	45.5 ± 3.7
500 ppm	0 ± 0	0 ± 0	0 ± 0	0.4 ± 0.5	45.1 ± 3.1	45.4 ± 3.4
1000 ppm	0 ± 0	0 ± 0.2	0.1 ± 0.1	0.8 ± 0.8	45.6 ± 2.9	45.9 ± 3.1

*p < 0.05

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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

0 ppm	15 ± 0.7	5.2 ± 2.3	84.9 ± 5.8	20.8 ± 0.6	33.9 ± 1	61.5 ± 1.6
62.5 ppm	15 ± 0.8	5.5 ± 3.4	86.3 ± 5.4	20.4 ± 0.6	33.3 ± 1.2	61.2 ± 1.6
125 ppm	14.8 ± 0.6	5.2 ± 3	85.5 ± 6.1	20.9 ± 0.6	34.1 ± 1	61.2 ± 1.7
250 ppm	15 ± 0.7	5.2 ± 2.7	85.2 ± 5.5	20.5 ± 0.5	33.4 ± 1.1	61.4 ± 1.6
500 ppm	15 ± 0.7	6.2 ± 3	86 ± 7	20.4 ± 0.7	33.4 ± 1	61.4 ± 1.7
1000 ppm	15.1 ± 0.6	6.7 ± 3.3	86.6 ± 4.5	20.3 ± 0.7*	33.1 ± 1.2	61.2 ± 1.2

*p < 0.05

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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
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Day 93

0 ppm	0.1 ± 0.1	0.9 ± 1	7.1 ± 2.3	0.5 ± 0.7	823.5 ± 223.2	7.2 ± 0.3
62.5 ppm	0.1 ± 0.1	0.8 ± 1	8.2 ± 2.9	0.8 ± 1.1	771.4 ± 181.4	7.4 ± 0.5
125 ppm	0 ± 0.1	0.7 ± 0.8	7.3 ± 2.8	0.3 ± 0.6	806.2 ± 213.7	7.1 ± 0.3
250 ppm	0.1 ± 0.1	0.9 ± 1.1	6.8 ± 2.6	0.4 ± 0.7	791 ± 187.4	7.3 ± 0.4
500 ppm	0.1 ± 0.1	1.1 ± 1.2	8.3 ± 2.9	0.2 ± 0.5	786.4 ± 164.2	7.4 ± 0.5
1000 ppm	0.1 ± 0.1	0.9 ± 1.2	7.8 ± 2.8	0.5 ± 0.6	859.9 ± 198.9	7.4 ± 0.4

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Lab: NA

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	19.9 ± 6.3	0.7 ± 0.3	13.2 ± 5.6	6.1 ± 2.4
62.5 ppm	0.1 ± 0	19.7 ± 5.8	0.7 ± 0.3	12.4 ± 5.5	6.2 ± 3.7
125 ppm	0.1 ± 0	20.6 ± 5.4	0.7 ± 0.4	13.3 ± 5.9	6 ± 3.2
250 ppm	0.2 ± 0	20.6 ± 5.3	0.7 ± 0.3	13.2 ± 5.4	6 ± 2.9
500 ppm	0.2 ± 0	20.7 ± 5.2	0.9 ± 0.8	12.5 ± 7.6	7.2 ± 3.4
1000 ppm	0.1 ± 0	19.4 ± 5.9	0.8 ± 0.3	11.7 ± 4.9	7.6 ± 3.6

** END OF REPORT **

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**p < 0.01

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