

Experiment Number: 93026-05

Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 15:53:58

First Dose M/F: NA / NA

Lab: NA

C Number: C93026

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

0 ppm	0 ± 0	0 ± 0.2	0 ± 0	0.3 ± 0.5	0 ± 0	0.8 ± 1.2
25 ppm	0 ± 0	0 ± 0	0 ± 0	0.2 ± 0.2	0.1 ± 0.1	0.8 ± 1
50 ppm	0 ± 0	0.2 ± 0.4	0 ± 0	0.2 ± 0.3	0 ± 0	0.4 ± 0.4
100 ppm	0 ± 0	0 ± 0	0 ± 0	0.2 ± 0.2	0 ± 0.1	0.5 ± 0.8
200 ppm	0 ± 0	0 ± 0	0 ± 0	0.2 ± 0.3	0 ± 0	0.5 ± 0.6
400 ppm	0 ± 0	0.1 ± 0.2	0 ± 0	0.3 ± 0.3	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.

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	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Hemolysis	Lymphocyte Count 1000 per uL	Lymphocyte Percentage %
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Day 93

0 ppm	46.3 ± 1.1	47 ± 1	15.4 ± 0.4	0 ± 0	7 ± 3.2	85.6 ± 6.5
25 ppm	46.8 ± 1.4	47.1 ± 1.4	15.5 ± 0.4	0.1 ± 0.2	6.8 ± 2.8	85.2 ± 6.1
50 ppm	46.7 ± 1.3	47.3 ± 1.3	15.3 ± 0.3	0 ± 0	6.9 ± 2.7	85.1 ± 6.6
100 ppm	46.2 ± 1.3	46.9 ± 1.4	15.3 ± 0.5	0 ± 0	8 ± 3	86.1 ± 5.4
200 ppm	46.7 ± 1.4	46.9 ± 1.4	15.3 ± 0.4	0 ± 0	7.7 ± 2.5	84.7 ± 4.5
400 ppm	46.2 ± 0.9	46.6 ± 1.2	15.2 ± 0.3*	0 ± 0	7.3 ± 2.7	84.7 ± 4.6

*p < 0.05

**p < 0.01

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Lab: NA

MALE

Treatment Groups	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL	Monocyte Percentage %	Nucleated Rbc Count 1000 per uL
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Day 93

0 ppm	19.1 ± 0.7	33.3 ± 1	57.4 ± 2.6	0.1 ± 0.1	1.3 ± 1	8 ± 3.3
25 ppm	19.2 ± 0.8	33 ± 0.7	58 ± 3	0.1 ± 0.1	1.5 ± 1.4	7.8 ± 2.8
50 ppm	19.1 ± 0.7	32.8 ± 0.9	58.1 ± 2.5	0.2 ± 0.1	2 ± 1.3	7.9 ± 2.7
100 ppm	19.2 ± 0.8	33.1 ± 0.9	58.2 ± 2.9	0.2 ± 0.1	1.7 ± 1.2	9.1 ± 3.1
200 ppm	19 ± 0.8	32.8 ± 1	58.1 ± 3.1	0.2 ± 0.2	2 ± 1.5	9 ± 2.7
400 ppm	19.2 ± 0.6	32.8 ± 0.8	58.5 ± 2.4	0.2 ± 0.2	2.3 ± 2	8.6 ± 3

*p < 0.05

**p < 0.01

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MALE

Treatment Groups	Nucleated Rbc Per 100 Wbc per 100 WC	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
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Day 93

0 ppm	0.1 ± 0.4	644.6 ± 69.9	8.1 ± 0.3	0.2 ± 0.1	27.8 ± 7	0.8 ± 0.3
25 ppm	0.2 ± 0.6	652.4 ± 58.5	8.1 ± 0.4	0.2 ± 0.1	28.8 ± 11.4	0.8 ± 0.3
50 ppm	0.3 ± 0.6	659.5 ± 61.2	8 ± 0.3	0.2 ± 0.1	28.6 ± 8.9	0.8 ± 0.3
100 ppm	0.2 ± 0.8	666.1 ± 66.5	7.9 ± 0.4	0.2 ± 0.1	29.1 ± 11	0.9 ± 0.3
200 ppm	0.4 ± 0.8	685.6 ± 56.5	8.1 ± 0.4	0.2 ± 0.1	28.8 ± 9.5	1 ± 0.4
400 ppm	0.2 ± 0.5	695.6 ± 77.9	7.9 ± 0.3	0.2 ± 0.1	30.6 ± 8.4	0.9 ± 0.3

*p < 0.05

**p < 0.01

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First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	Segmented Neutrophil Percentage %	White Blood Cell Count 1000 per uL
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Day 93

0 ppm	12 ± 6.9	8 ± 3.3
25 ppm	11.7 ± 6.2	7.8 ± 2.9
50 ppm	12.2 ± 6.8	7.9 ± 2.7
100 ppm	11.4 ± 5.9	9.1 ± 3.1
200 ppm	12.5 ± 5.1	9 ± 2.7
400 ppm	12.1 ± 4.9	8.6 ± 3

*p < 0.05

**p < 0.01

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Lab: NA

FEMALE

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	0.1 ± 0.2	0 ± 0	0.2 ± 0.2	0 ± 0	0.6 ± 0.7
25 ppm	0 ± 0	0.1 ± 0.2	0 ± 0	0.3 ± 0.4	0 ± 0	0.5 ± 0.7
50 ppm	0 ± 0	0 ± 0	0 ± 0	0.2 ± 0.2	0 ± 0	0.4 ± 0.4
100 ppm	0 ± 0	0 ± 0	0 ± 0	0.2 ± 0.3	0.1 ± 0.1	0.8 ± 0.9
200 ppm	0 ± 0	0 ± 0	0 ± 0	0.2 ± 0.2	0 ± 0	0.5 ± 0.5
400 ppm	0 ± 0	0 ± 0	0 ± 0	0.2 ± 0.3	0.1 ± 0	0.8 ± 0.9

*p < 0.05

**p < 0.01

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Lab: NA

FEMALE

Treatment Groups	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Hemolysis	Lymphocyte Count 1000 per uL	Lymphocyte Percentage %
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Day 93

0 ppm	45.6 ± 2	45.8 ± 2.2	15.5 ± 0.5	0.1 ± 0.2	7.8 ± 4	86 ± 4.6
25 ppm	45.9 ± 2.2	46 ± 2	15.6 ± 0.5	0 ± 0	7.4 ± 3.9	85.8 ± 5.9
50 ppm	45.6 ± 2.3	45.6 ± 1.9	15.5 ± 0.5	0 ± 0	7.9 ± 3.7	85.8 ± 4.7
100 ppm	45.3 ± 2.1	45.8 ± 1.9	15.4 ± 0.3	0 ± 0	8 ± 3.6	85.1 ± 4.3
200 ppm	45.7 ± 2.1	45.8 ± 1.9	15.5 ± 0.3	0 ± 0	7.4 ± 3.7	84.8 ± 3.7
400 ppm	45.1 ± 2.1	45.1 ± 2	15.4 ± 0.5	0 ± 0	7.3 ± 3.8	83.3 ± 4.8

*p < 0.05

**p < 0.01

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FEMALE

Treatment Groups	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL	Monocyte Percentage %	Nucleated Rbc Count 1000 per uL
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Day 93

0 ppm	20.4 ± 0.3	34.1 ± 1	60 ± 1.7	0.2 ± 0.1	2.1 ± 1	8.9 ± 4.2
25 ppm	20.5 ± 0.4	34.1 ± 1.1	60.1 ± 2	0.2 ± 0.2	1.7 ± 1.2	8.4 ± 4.2
50 ppm	20.4 ± 0.7	34 ± 1.4	60 ± 1.7	0.2 ± 0.2	1.9 ± 1.6	9.1 ± 4
100 ppm	20.3 ± 0.5	34.1 ± 1.1	59.7 ± 1.3	0.2 ± 0.2	2.3 ± 1.5	9.3 ± 4.1
200 ppm	20.3 ± 0.6	34 ± 1.2	59.7 ± 1.2	0.3 ± 0.2	2.5 ± 1.8	8.7 ± 4.2
400 ppm	20.3 ± 0.6	34.1 ± 1.2	59.5 ± 1.3	0.3 ± 0.2	2.5 ± 1.5	8.6 ± 4.2

*p < 0.05

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FEMALE

Treatment Groups	Nucleated Rbc Per 100 Wbc per 100 WC	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
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Day 93

0 ppm	0.1 ± 0.3	593.9 ± 39.5	7.6 ± 0.3	0.2 ± 0	21.9 ± 4.1	0.8 ± 0.2
25 ppm	0.2 ± 0.6	584.5 ± 40.8	7.6 ± 0.3	0.2 ± 0	19.8 ± 3.6	0.8 ± 0.3
50 ppm	0.3 ± 0.7	613.6 ± 91	7.6 ± 0.4	0.2 ± 0	21.4 ± 7.1	0.9 ± 0.3
100 ppm	0.2 ± 0.6	623.9 ± 77.9	7.6 ± 0.3	0.2 ± 0	24 ± 5.5	1 ± 0.4
200 ppm	0.3 ± 0.5	606.4 ± 61.4	7.7 ± 0.3	0.2 ± 0	22.6 ± 5.6	0.9 ± 0.4
400 ppm	0.2 ± 0.4	626.6 ± 62.8	7.6 ± 0.4	0.2 ± 0	24.9 ± 6.1	1 ± 0.4

*p < 0.05

**p < 0.01

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FEMALE

Treatment Groups	Segmented Neutrophil Percentage %	White Blood Cell Count 1000 per uL
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Day 93

0 ppm	11.1 ± 4.5	8.9 ± 4.2
25 ppm	11.7 ± 5.7	8.4 ± 4.2
50 ppm	11.6 ± 5.1	9.1 ± 4
100 ppm	11.7 ± 3.9	9.3 ± 4.1
200 ppm	11.9 ± 3.7	8.7 ± 4.2
400 ppm	13 ± 5.4	8.6 ± 4.2

**** END OF REPORT ****

*p < 0.05

**p < 0.01

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