

Experiment Number: 05136-05

Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/26/2014

Time Report Requested: 02:54:16

First Dose M/F: NA / NA

Lab: NA

C Number: C50522

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

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Date Report Requested: 10/26/2014

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First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	Activated Partial Thromboplastin Time s	Eosinophil Count	Fibrinogen mg per dL	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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Day 2

0 ppm	14.7 ± 5.6	0 ± 0.1	228.6 ± 14.1	45.5 ± 4.5	15 ± 1.7	4.2 ± 1.9
5 ppm	0 ± 0	47.3 ± 2.2	15.8 ± 0.7	5.4 ± 1.2	16.1 ± 0.6	33.3 ± 0.6
12 ppm	0 ± 0	48 ± 1.6	16 ± 0.4	5.4 ± 0.8	16.2 ± 0.7	33.4 ± 0.5
32 ppm	16.7 ± 5.9	0 ± 0	223.6 ± 42.6	45.6 ± 3.7	15 ± 1.4	4.7 ± 2
80 ppm	14.9 ± 6.8	0 ± 0	252.2 ± 73.7	46.1 ± 3.5	15.1 ± 1.4	4.5 ± 2.2
200 ppm	24.1 ± 10.2**	0 ± 0.1	209.1 ± 45.7	44.2 ± 6	14.6 ± 2.1	4.1 ± 2.3

*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	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL
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Day 2

0 ppm	16.5 ± 0.7	32.9 ± 0.9	50.1 ± 3.2	0.2 ± 0.1	0 ± 0	599.4 ± 84.3
5 ppm	48.4 ± 2.1	0.2 ± 0.1	0 ± 0	541.5 ± 75.1	9.8 ± 0.5	0.2 ± 0.1
12 ppm	48.6 ± 2.3	0.2 ± 0.2	0 ± 0	559.5 ± 42.7	9.9 ± 0.4	0.1 ± 0
32 ppm	16.4 ± 0.7	33 ± 0.8	49.8 ± 3.1	0.2 ± 0.2	0 ± 0	615.5 ± 84.8
80 ppm	16.4 ± 0.8	32.7 ± 0.9	50 ± 3.4	0.1 ± 0.2	0 ± 0	623.6 ± 70.8
200 ppm	16.2 ± 0.8	33 ± 0.8	49.3 ± 3.2	0.1 ± 0.1	0 ± 0	532.6 ± 180

*p < 0.05

**p < 0.01

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First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	Prothrombin Time s	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
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Day 2

0 ppm	14 ± 0.4	9.1 ± 1.3	0.1 ± 0	0.7 ± 0.4	5.1 ± 2.3
5 ppm	0.8 ± 0.3	6.5 ± 1.2			
12 ppm	0.8 ± 0.3	6.5 ± 0.9			
32 ppm	14.2 ± 0.6	9.2 ± 1.1	0.2 ± 0.1	0.6 ± 0.4	5.5 ± 2.4
80 ppm	14.1 ± 0.3	9.3 ± 1.1	0.2 ± 0.1	0.5 ± 0.3	5.2 ± 2.5
200 ppm	17.3 ± 7.4*	9 ± 1.4	0.2 ± 0.1	0.6 ± 0.4	4.8 ± 2.6

*p < 0.05

**p < 0.01

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MALE

Treatment Groups	Activated Partial Thromboplastin Time s	Eosinophil Count	Fibrinogen mg per dL	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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Day 91

0 ppm	14.7 ± 5.6	0 ± 0.1	228.6 ± 14.1	45.5 ± 4.5	15 ± 1.7	4.2 ± 1.9
5 ppm	0 ± 0	47.3 ± 2.2	15.8 ± 0.7	5.4 ± 1.2	16.1 ± 0.6	33.3 ± 0.6
12 ppm	0 ± 0	48 ± 1.6	16 ± 0.4	5.4 ± 0.8	16.2 ± 0.7	33.4 ± 0.5
32 ppm	16.7 ± 5.9	0 ± 0	223.6 ± 42.6	45.6 ± 3.7	15 ± 1.4	4.7 ± 2
80 ppm	14.9 ± 6.8	0 ± 0	252.2 ± 73.7	46.1 ± 3.5	15.1 ± 1.4	4.5 ± 2.2
200 ppm	24.1 ± 10.2**	0 ± 0.1	209.1 ± 45.7	44.2 ± 6	14.6 ± 2.1	4.1 ± 2.3

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First Dose M/F: NA / NA

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	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL
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Day 91

0 ppm	16.5 ± 0.7	32.9 ± 0.9	50.1 ± 3.2	0.2 ± 0.1	0 ± 0	599.4 ± 84.3
5 ppm	48.4 ± 2.1	0.2 ± 0.1	0 ± 0	541.5 ± 75.1	9.8 ± 0.5	0.2 ± 0.1
12 ppm	48.6 ± 2.3	0.2 ± 0.2	0 ± 0	559.5 ± 42.7	9.9 ± 0.4	0.1 ± 0
32 ppm	16.4 ± 0.7	33 ± 0.8	49.8 ± 3.1	0.2 ± 0.2	0 ± 0	615.5 ± 84.8
80 ppm	16.4 ± 0.8	32.7 ± 0.9	50 ± 3.4	0.1 ± 0.2	0 ± 0	623.6 ± 70.8
200 ppm	16.2 ± 0.8	33 ± 0.8	49.3 ± 3.2	0.1 ± 0.1	0 ± 0	532.6 ± 180

*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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First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	Prothrombin Time s	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
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Day 91

0 ppm	14 ± 0.4	9.1 ± 1.3	0.1 ± 0	0.7 ± 0.4	5.1 ± 2.3
5 ppm	0.8 ± 0.3	6.5 ± 1.2			
12 ppm	0.8 ± 0.3	6.5 ± 0.9			
32 ppm	14.2 ± 0.6	9.2 ± 1.1	0.2 ± 0.1	0.6 ± 0.4	5.5 ± 2.4
80 ppm	14.1 ± 0.3	9.3 ± 1.1	0.2 ± 0.1	0.5 ± 0.3	5.2 ± 2.5
200 ppm	17.3 ± 7.4*	9 ± 1.4	0.2 ± 0.1	0.6 ± 0.4	4.8 ± 2.6

*p < 0.05

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FEMALE

Treatment Groups	Activated Partial Thromboplastin Time s	Eosinophil Count	Fibrinogen mg per dL	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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Day 2

0 ppm	16.4 ± 1.4	0 ± 0	197.8 ± 11.8	47.1 ± 3.8	15.4 ± 1	4.2 ± 1.3
5 ppm	0 ± 0	49.6 ± 2.8	16.1 ± 0.6	4.6 ± 0.9	16.8 ± 0.3	32.4 ± 0.9
12 ppm	0 ± 0	50.1 ± 2.3	16.3 ± 0.4	4.4 ± 0.8	16.9 ± 0.3	32.6 ± 1
32 ppm	18.7 ± 2.7	0 ± 0	200.3 ± 18.7	46.8 ± 5	15.3 ± 1.4	3.8 ± 1.6
80 ppm	16.8 ± 5.5	0 ± 0.1	206 ± 16.7	47.8 ± 3.8	15.6 ± 1.1	3.7 ± 1.5
200 ppm	21.2 ± 3.4**	0 ± 0.1	154 ± 18.5	47.3 ± 3.1	15.4 ± 0.8	4.2 ± 1.9

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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	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL
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Day 2

0 ppm	17 ± 0.4	32.7 ± 1	52 ± 1.8	0.1 ± 0.1	0 ± 0	615.1 ± 69
5 ppm	51.9 ± 2.1	0.2 ± 0.1	0 ± 0	596.8 ± 36	9.6 ± 0.3	0.1 ± 0.1
12 ppm	52 ± 2	0.2 ± 0.1	0 ± 0	564.6 ± 41.7	9.6 ± 0.2	0.1 ± 0
32 ppm	17 ± 0.4	32.7 ± 1	52 ± 2.1	0.2 ± 0.1	0 ± 0	620.1 ± 91.3
80 ppm	17 ± 0.6	32.6 ± 0.7	52.3 ± 2.3	0.1 ± 0.1	0 ± 0	609.5 ± 67.1
200 ppm	16.7 ± 0.4	32.6 ± 0.8	51.2 ± 1.7	0.2 ± 0.1	0 ± 0	545.4 ± 248.3

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FEMALE

Treatment Groups	Prothrombin Time s	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
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Day 2

0 ppm	14.1 ± 0.4	9.1 ± 0.8	0.1 ± 0	0.6 ± 0.3	5 ± 1.5
5 ppm	0.8 ± 0.3	5.6 ± 1			
12 ppm	0.6 ± 0.3	5.3 ± 0.7			
32 ppm	14 ± 0.6	9 ± 0.9	0.1 ± 0	0.6 ± 0.5	4.6 ± 2
80 ppm	14.1 ± 0.3	9.2 ± 0.8	0.1 ± 0	0.5 ± 0.3	4.3 ± 1.7
200 ppm	16.3 ± 2.4	9.2 ± 0.5	0.2 ± 0.1	0.7 ± 0.4	5 ± 2.1

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12 ppm	0 ± 0	50.1 ± 2.3	16.3 ± 0.4	4.4 ± 0.8	16.9 ± 0.3	32.6 ± 1
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80 ppm	16.8 ± 5.5	0 ± 0.1	206 ± 16.7	47.8 ± 3.8	15.6 ± 1.1	3.7 ± 1.5
200 ppm	21.2 ± 3.4**	0 ± 0.1	154 ± 18.5	47.3 ± 3.1	15.4 ± 0.8	4.2 ± 1.9

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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	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL
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Day 91

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12 ppm	52 ± 2	0.2 ± 0.1	0 ± 0	564.6 ± 41.7	9.6 ± 0.2	0.1 ± 0
32 ppm	17 ± 0.4	32.7 ± 1	52 ± 2.1	0.2 ± 0.1	0 ± 0	620.1 ± 91.3
80 ppm	17 ± 0.6	32.6 ± 0.7	52.3 ± 2.3	0.1 ± 0.1	0 ± 0	609.5 ± 67.1
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FEMALE

Treatment Groups	Prothrombin Time s	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
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Day 91

0 ppm	14.1 ± 0.4	9.1 ± 0.8	0.1 ± 0	0.6 ± 0.3	5 ± 1.5
5 ppm	0.8 ± 0.3	5.6 ± 1			
12 ppm	0.6 ± 0.3	5.3 ± 0.7			
32 ppm	14 ± 0.6	9 ± 0.9	0.1 ± 0	0.6 ± 0.5	4.6 ± 2
80 ppm	14.1 ± 0.3	9.2 ± 0.8	0.1 ± 0	0.5 ± 0.3	4.3 ± 1.7
200 ppm	16.3 ± 2.4	9.2 ± 0.5	0.2 ± 0.1	0.7 ± 0.4	5 ± 2.1

**** END OF REPORT ****

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