

Experiment Number: 05208-03

Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:09:27

First Dose M/F: NA / NA

Lab: NA

C Number: C62259

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	Eosinophil Count	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL	Mean Cell Hemoglobin pg
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Day 91

0 ppm	0 ± 0.1	46.6 ± 1	46.2 ± 1	15 ± 0.4	6.2 ± 1.4	17.6 ± 1.1
1.5 ppm	0 ± 0.1	45 ± 0.9**	45 ± 1**	14.4 ± 0.4**	6 ± 1.2	17.4 ± 1.1
3 ppm	0 ± 0.1	44 ± 1.3**	44.4 ± 1.4**	14.1 ± 0.5**	6.6 ± 1.2	17.6 ± 1.1
6 ppm	0 ± 0	42.3 ± 1.2**	43.1 ± 1.2**	13.6 ± 0.4**	6.9 ± 1.3	17.8 ± 0.8
12 ppm	0 ± 0	40.4 ± 1.1**	41.9 ± 1.3**	13.6 ± 0.3**	7 ± 1.5	19.3 ± 0.7**
24 ppm	0 ± 0	37.6 ± 2.1**	40.9 ± 2.8**	12.9 ± 0.6**	9 ± 2.9**	22.4 ± 0.5**

*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 Concentration g per dL	Mean Corpuscular Volume fL	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL
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Day 91

0 ppm	32.1 ± 0.4	54.7 ± 2.9	0.9 ± 0.1	0.1 ± 0.2	0 ± 0.1	546 ± 81.8
1.5 ppm	32 ± 0.5	54.3 ± 2.7	2.9 ± 0.7**	0.1 ± 0.2	0.1 ± 0.1	617.9 ± 44.6**
3 ppm	32.2 ± 0.5	54.6 ± 2.6	4.6 ± 0.8**	0.1 ± 0.1	0.1 ± 0.1*	651.5 ± 61.9**
6 ppm	32.2 ± 0.5	55.3 ± 1.8	8.1 ± 1.3**	0.1 ± 0.1	0.2 ± 0.1**	678 ± 60.6**
12 ppm	33.5 ± 0.6**	57.6 ± 2.2**	14.7 ± 1.7**	0.1 ± 0.2	0.6 ± 0.2**	627.8 ± 95.4**
24 ppm	34.4 ± 1**	65.3 ± 3**	23 ± 3.9**	0.1 ± 0.2	2.2 ± 1.4**	616.5 ± 173.5**

*p < 0.05

**p < 0.01

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MALE

Treatment Groups	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	8.5 ± 0.5	0.2 ± 0.1	1 ± 0.3	7.5 ± 1.7
1.5 ppm	8.3 ± 0.4	0.3 ± 0.1	1.2 ± 0.5	7.4 ± 1.6
3 ppm	8.1 ± 0.4**	0.3 ± 0.1**	1.2 ± 0.5	7.9 ± 1.2
6 ppm	7.7 ± 0.3**	0.4 ± 0.1**	1.1 ± 0.4	8.1 ± 1.4
12 ppm	7 ± 0.2**	0.7 ± 0.1**	1.2 ± 0.3*	8.4 ± 1.5
24 ppm	5.8 ± 0.3**	1 ± 0.2**	1.8 ± 0.7**	10.9 ± 3**

*p < 0.05

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FEMALE

Treatment Groups	Eosinophil Count	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL	Mean Cell Hemoglobin pg
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Day 91

0 ppm	0.1 ± 0.1	48.4 ± 1	47.1 ± 1.1	15.4 ± 0.3	6.3 ± 1	18.3 ± 0.6
1.5 ppm	0.1 ± 0.1	45.8 ± 2.3**	45.4 ± 2**	14.7 ± 0.7**	6.5 ± 1	18.5 ± 0.5
3 ppm	0 ± 0.1	44.1 ± 1.7**	44.4 ± 1.7**	14.1 ± 0.6**	7.5 ± 1.5**	18.5 ± 0.3
6 ppm	0.1 ± 0.1	42.2 ± 1.5**	42.6 ± 1.5**	13.7 ± 0.4**	7.7 ± 1.5**	19.2 ± 0.4**
12 ppm	0 ± 0.1	39.7 ± 0.9**	41.3 ± 1**	13.5 ± 0.4**	8.7 ± 2.4**	21.4 ± 0.6**
24 ppm	0 ± 0.1	37.1 ± 3.1**	41.8 ± 3.2**	13.2 ± 1**	13.1 ± 4.1**	24.7 ± 1.2**

*p < 0.05

**p < 0.01

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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.

FEMALE

Treatment Groups	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL
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Day 91

0 ppm	31.8 ± 0.3	57.4 ± 1.6	1 ± 0.1	0 ± 0	0.1 ± 0.1	576.5 ± 60.1
1.5 ppm	32.1 ± 0.4	57.5 ± 1.1	3.8 ± 0.8**	0 ± 0.1	0.1 ± 0.1*	636.6 ± 85.4
3 ppm	31.9 ± 0.3	58.2 ± 1	6.1 ± 0.7**	0 ± 0.1	0.2 ± 0.2**	722.1 ± 96.4
6 ppm	32.4 ± 0.6**	59.1 ± 0.8**	11.4 ± 1.6**	0.1 ± 0.1	0.5 ± 0.4**	709.5 ± 88.6
12 ppm	34 ± 0.7**	62.9 ± 1.6**	19.9 ± 3.4**	0.1 ± 0.1	1.2 ± 0.5**	630.9 ± 89.9
24 ppm	35.5 ± 1.3**	69.7 ± 3.5**	28.2 ± 9.9**	0.1 ± 0.3	3.4 ± 2.3**	661.9 ± 262

*p < 0.05

**p < 0.01

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Treatment Groups	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	8.4 ± 0.3	0.2 ± 0.1	1.2 ± 0.5	7.5 ± 1.1
1.5 ppm	8 ± 0.4**	0.2 ± 0*	1.3 ± 0.6	7.9 ± 1.4
3 ppm	7.6 ± 0.2**	0.3 ± 0.1**	1.3 ± 0.5	8.9 ± 1.5**
6 ppm	7.1 ± 0.3**	0.5 ± 0.1**	1.2 ± 0.4	9 ± 1.7**
12 ppm	6.3 ± 0.2**	0.8 ± 0.2**	1.9 ± 0.8**	10.7 ± 2.2**
24 ppm	5.3 ± 0.6**	1.3 ± 0.3**	2.8 ± 1.5**	16.1 ± 5.5**

** END OF REPORT **

*p < 0.05

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