

Experiment Number: 20011-03

Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/24/2014

Time Report Requested: 13:00:19

First Dose M/F: NA / NA

Lab: NA

C Number: C20011

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	Basophil Percentage %	Eosinophil Percentage %	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Hemolysis
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Day 24

0 ppm	0.1 ± 0.1	1.1 ± 0.5	46 ± 1.8	47.2 ± 1.6	14.8 ± 0.6	0 ± 0
62.5 ppm	0.1 ± 0.1	1.2 ± 0.5	46 ± 1.5	47.2 ± 1.4	14.7 ± 0.6	0 ± 0
125 ppm	0.1 ± 0.1	1.3 ± 0.6	46.8 ± 1.4	47.9 ± 1.2	14.8 ± 0.4	0.1 ± 0.3
250 ppm	0.1 ± 0.1	1 ± 0.7	46.4 ± 1.5	47.4 ± 1.4	14.8 ± 0.5	0.2 ± 0.4
500 ppm	0.1 ± 0.1	1.2 ± 0.8	46.1 ± 1.1	47.2 ± 1.5	14.7 ± 0.4	0.1 ± 0.2
1000 ppm	0.1 ± 0.2	0.8 ± 0.5	47.1 ± 1.3	47.9 ± 1.5	14.9 ± 0.4	0.1 ± 0.2

*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 g per dL	Mean Corpuscular Volume fL	Monocyte Percentage %	Nucleated Rbc Count 1000 per uL
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Day 24

0 ppm	81.6 ± 4	18.9 ± 0.4	32.1 ± 0.4	59 ± 0.8	1.4 ± 1.8	7.9 ± 1.7
62.5 ppm	81.1 ± 3.2	19 ± 0.3	32 ± 0.4	59.4 ± 1	1.5 ± 1.5	8.4 ± 1.3
125 ppm	80.3 ± 5.5	19 ± 0.3	31.8 ± 0.3	59.8 ± 1.1	2.1 ± 2.8	8.1 ± 1.8
250 ppm	81.5 ± 2.9	19 ± 0.2	31.8 ± 0.5	59.6 ± 0.8	1.4 ± 1.7	7.7 ± 1
500 ppm	81.7 ± 5	19.2 ± 0.3	31.9 ± 0.3	60.2 ± 1.2	1.7 ± 2.2	8.3 ± 1.4
1000 ppm	83.4 ± 3.9	19 ± 0.4	31.7 ± 0.4	60 ± 1	1.6 ± 1.1	7.7 ± 1.4

*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	Nucleated Rbc Per 100 Wbc per 100 WC	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Percentage count per 100 RBC	Segmented Neutrophil Percentage %
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Day 24

0 ppm	0.1 ± 0.3	754.5 ± 57.2	7.8 ± 0.3	19.2 ± 10.1	15.8 ± 3.3
62.5 ppm	0.1 ± 0.4	798.8 ± 44.2	7.7 ± 0.3	19.4 ± 7.6	16.1 ± 2.7
125 ppm	0.1 ± 0.3	820.2 ± 51.7*	7.8 ± 0.3	22.6 ± 9.7	16.2 ± 3.2
250 ppm	0.2 ± 0.5	802.4 ± 63.7*	7.8 ± 0.2	22.6 ± 10.5	16 ± 2.4
500 ppm	0.4 ± 0.6	843.3 ± 46.9**	7.7 ± 0.3	20 ± 10.4	15.4 ± 3.5
1000 ppm	0.2 ± 0.5	845.8 ± 49.2**	7.8 ± 0.2	20.6 ± 8.8	14.2 ± 3.4

*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	Basophil Percentage %	Eosinophil Percentage %	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Hemolysis
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Day 94

0 ppm	0.1 ± 0.1	1.1 ± 0.5	46 ± 1.8	47.2 ± 1.6	14.8 ± 0.6	0 ± 0
62.5 ppm	0.1 ± 0.1	1.2 ± 0.5	46 ± 1.5	47.2 ± 1.4	14.7 ± 0.6	0 ± 0
125 ppm	0.1 ± 0.1	1.3 ± 0.6	46.8 ± 1.4	47.9 ± 1.2	14.8 ± 0.4	0.1 ± 0.3
250 ppm	0.1 ± 0.1	1 ± 0.7	46.4 ± 1.5	47.4 ± 1.4	14.8 ± 0.5	0.2 ± 0.4
500 ppm	0.1 ± 0.1	1.2 ± 0.8	46.1 ± 1.1	47.2 ± 1.5	14.7 ± 0.4	0.1 ± 0.2
1000 ppm	0.1 ± 0.2	0.8 ± 0.5	47.1 ± 1.3	47.9 ± 1.5	14.9 ± 0.4	0.1 ± 0.2

*p < 0.05

**p < 0.01

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Lab: NA

MALE

Treatment Groups	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Percentage %	Nucleated Rbc Count 1000 per uL
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Day 94

0 ppm	81.6 ± 4	18.9 ± 0.4	32.1 ± 0.4	59 ± 0.8	1.4 ± 1.8	7.9 ± 1.7
62.5 ppm	81.1 ± 3.2	19 ± 0.3	32 ± 0.4	59.4 ± 1	1.5 ± 1.5	8.4 ± 1.3
125 ppm	80.3 ± 5.5	19 ± 0.3	31.8 ± 0.3	59.8 ± 1.1	2.1 ± 2.8	8.1 ± 1.8
250 ppm	81.5 ± 2.9	19 ± 0.2	31.8 ± 0.5	59.6 ± 0.8	1.4 ± 1.7	7.7 ± 1
500 ppm	81.7 ± 5	19.2 ± 0.3	31.9 ± 0.3	60.2 ± 1.2	1.7 ± 2.2	8.3 ± 1.4
1000 ppm	83.4 ± 3.9	19 ± 0.4	31.7 ± 0.4	60 ± 1	1.6 ± 1.1	7.7 ± 1.4

*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

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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 Percentage count per 100 RBC	Segmented Neutrophil Percentage %
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Day 94

0 ppm	0.1 ± 0.3	754.5 ± 57.2	7.8 ± 0.3	19.2 ± 10.1	15.8 ± 3.3
62.5 ppm	0.1 ± 0.4	798.8 ± 44.2	7.7 ± 0.3	19.4 ± 7.6	16.1 ± 2.7
125 ppm	0.1 ± 0.3	820.2 ± 51.7*	7.8 ± 0.3	22.6 ± 9.7	16.2 ± 3.2
250 ppm	0.2 ± 0.5	802.4 ± 63.7*	7.8 ± 0.2	22.6 ± 10.5	16 ± 2.4
500 ppm	0.4 ± 0.6	843.3 ± 46.9**	7.7 ± 0.3	20 ± 10.4	15.4 ± 3.5
1000 ppm	0.2 ± 0.5	845.8 ± 49.2**	7.8 ± 0.2	20.6 ± 8.8	14.2 ± 3.4

*p < 0.05

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First Dose M/F: NA / NA

Lab: NA

FEMALE

Treatment Groups	Basophil Percentage %	Eosinophil Percentage %	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Hemolysis
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Day 24

0 ppm	0.1 ± 0.2	1.3 ± 0.3	47.9 ± 1.7	47.5 ± 1.6	15.4 ± 0.6	0.1 ± 0.3
62.5 ppm	0 ± 0	1.4 ± 0.4	47.9 ± 1.2	48 ± 1.3	15.3 ± 0.3	0 ± 0
125 ppm	0.2 ± 0.3	1.4 ± 0.5	47.5 ± 1.1	47.6 ± 1.6	15.4 ± 0.3	0 ± 0.2
250 ppm	0.1 ± 0.1	1.5 ± 0.5	48.4 ± 1.5	48.2 ± 1.7	15.6 ± 0.5	0 ± 0.2
500 ppm	0.1 ± 0.1	1.6 ± 0.9	48.5 ± 1.3	48.6 ± 1.2	15.8 ± 0.4*	0.2 ± 0.4
1000 ppm	0.1 ± 0.1	1.1 ± 0.5	50.1 ± 1.3**	50.5 ± 1.4**	16.2 ± 0.5**	0 ± 0

*p < 0.05

**p < 0.01

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FEMALE

Treatment Groups	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Percentage %	Nucleated Rbc Count 1000 per uL
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Day 24

0 ppm	81.1 ± 3.9	18.8 ± 0.3	32.1 ± 0.3	58.8 ± 1.2	1.8 ± 2.3	7.4 ± 1.7
62.5 ppm	83.5 ± 2.1	19.1 ± 0.2	32 ± 0.4	59.5 ± 0.8	0.9 ± 0.9	7.5 ± 0.8
125 ppm	81.9 ± 4.3	19.1 ± 0.3	32.4 ± 0.6	59.2 ± 1.7	1.4 ± 1.2	9.1 ± 1.3
250 ppm	81.5 ± 4.5	19.3 ± 0.3	32.2 ± 0.3	59.9 ± 1.2	1.7 ± 2	8.9 ± 1.1
500 ppm	82.8 ± 3.9	19.2 ± 0.5	32.5 ± 0.5	59 ± 1.4	1.5 ± 1.5	9.3 ± 1.3
1000 ppm	80.5 ± 5.2	19.1 ± 0.3	32.2 ± 0.4	59.1 ± 1.3	2.4 ± 2.1	8 ± 1.1

*p < 0.05

**p < 0.01

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First Dose M/F: NA / NA

Lab: NA

FEMALE

Treatment Groups	Nucleated Rbc Per 100 Wbc per 100 WC	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Percentage count per 100 RBC	Segmented Neutrophil Percentage %
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Day 24

0 ppm	0.5 ± 0.6	773.3 ± 55.3	8.2 ± 0.4	16.2 ± 5.1	15.7 ± 3.9
62.5 ppm	0.2 ± 0.5	791.6 ± 43.4	8 ± 0.2	16.7 ± 6	14.1 ± 1.8
125 ppm	0.2 ± 0.4	806.4 ± 33.6	8 ± 0.2	15.9 ± 6.1	15.2 ± 4.6
250 ppm	0.3 ± 0.7	757.4 ± 61.1	8.1 ± 0.3	16.6 ± 4.8	15.2 ± 4
500 ppm	0.4 ± 0.9	791.4 ± 47.6	8.2 ± 0.3	16.1 ± 6.2	13.9 ± 3.5
1000 ppm	0.4 ± 0.9	775 ± 68.8	8.5 ± 0.3	16.8 ± 5.7	15.9 ± 4.8

*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.

FEMALE

Treatment Groups	Basophil Percentage %	Eosinophil Percentage %	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Hemolysis
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Day 94

0 ppm	0.1 ± 0.2	1.3 ± 0.3	47.9 ± 1.7	47.5 ± 1.6	15.4 ± 0.6	0.1 ± 0.3
62.5 ppm	0 ± 0	1.4 ± 0.4	47.9 ± 1.2	48 ± 1.3	15.3 ± 0.3	0 ± 0
125 ppm	0.2 ± 0.3	1.4 ± 0.5	47.5 ± 1.1	47.6 ± 1.6	15.4 ± 0.3	0 ± 0.2
250 ppm	0.1 ± 0.1	1.5 ± 0.5	48.4 ± 1.5	48.2 ± 1.7	15.6 ± 0.5	0 ± 0.2
500 ppm	0.1 ± 0.1	1.6 ± 0.9	48.5 ± 1.3	48.6 ± 1.2	15.8 ± 0.4*	0.2 ± 0.4
1000 ppm	0.1 ± 0.1	1.1 ± 0.5	50.1 ± 1.3**	50.5 ± 1.4**	16.2 ± 0.5**	0 ± 0

*p < 0.05

**p < 0.01

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First Dose M/F: NA / NA

Lab: NA

FEMALE

Treatment Groups	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Percentage %	Nucleated Rbc Count 1000 per uL
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Day 94

0 ppm	81.1 ± 3.9	18.8 ± 0.3	32.1 ± 0.3	58.8 ± 1.2	1.8 ± 2.3	7.4 ± 1.7
62.5 ppm	83.5 ± 2.1	19.1 ± 0.2	32 ± 0.4	59.5 ± 0.8	0.9 ± 0.9	7.5 ± 0.8
125 ppm	81.9 ± 4.3	19.1 ± 0.3	32.4 ± 0.6	59.2 ± 1.7	1.4 ± 1.2	9.1 ± 1.3
250 ppm	81.5 ± 4.5	19.3 ± 0.3	32.2 ± 0.3	59.9 ± 1.2	1.7 ± 2	8.9 ± 1.1
500 ppm	82.8 ± 3.9	19.2 ± 0.5	32.5 ± 0.5	59 ± 1.4	1.5 ± 1.5	9.3 ± 1.3
1000 ppm	80.5 ± 5.2	19.1 ± 0.3	32.2 ± 0.4	59.1 ± 1.3	2.4 ± 2.1	8 ± 1.1

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**p < 0.01

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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 Percentage count per 100 RBC	Segmented Neutrophil Percentage %
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Day 94

0 ppm	0.5 ± 0.6	773.3 ± 55.3	8.2 ± 0.4	16.2 ± 5.1	15.7 ± 3.9
62.5 ppm	0.2 ± 0.5	791.6 ± 43.4	8 ± 0.2	16.7 ± 6	14.1 ± 1.8
125 ppm	0.2 ± 0.4	806.4 ± 33.6	8 ± 0.2	15.9 ± 6.1	15.2 ± 4.6
250 ppm	0.3 ± 0.7	757.4 ± 61.1	8.1 ± 0.3	16.6 ± 4.8	15.2 ± 4
500 ppm	0.4 ± 0.9	791.4 ± 47.6	8.2 ± 0.3	16.1 ± 6.2	13.9 ± 3.5
1000 ppm	0.4 ± 0.9	775 ± 68.8	8.5 ± 0.3	16.8 ± 5.7	15.9 ± 4.8

** END OF REPORT **

*p < 0.05

**p < 0.01

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