

Experiment Number: 93025-05

Species/Strain: Rat/Fischer 344

P43: Terminal Sacrifice Hematology Data

Date Report Requested: 10/26/2014

Time Report Requested: 01:24:32

First Dose M/F: NA / NA

Lab: NA

C Number: C93025

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

Experiment Number: 93025-05

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P43: Terminal Sacrifice Hematology Data

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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	Lymphocyte Percentage %
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Day 4

0 ppm	0.4 ± 0.3	0.3 ± 0.1	46.3 ± 1.2	47.2 ± 0.8	15.2 ± 0.3	86.3 ± 3.9
7.5 ppm	0.3 ± 0.2	0.4 ± 0.2	46.1 ± 1	47.2 ± 1.1	15.2 ± 0.4	86.6 ± 3.7
15 ppm	0.3 ± 0.2	0.4 ± 0.2	46 ± 0.9	47.1 ± 1.1	15.2 ± 0.3	86.6 ± 3
30 ppm	0.4 ± 0.2	0.3 ± 0.1	46.6 ± 1.9	47.3 ± 1.8	15.3 ± 0.5	86.1 ± 2.8
60 ppm	0.5 ± 0.5	0.4 ± 0.2	46.4 ± 1.1	47.2 ± 1.6	15.3 ± 0.5	84.4 ± 4.2
120 ppm	0.4 ± 0.2	0.4 ± 0.1	46 ± 0.9	46.9 ± 1.2	15.1 ± 0.3	84.5 ± 2.8

*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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MALE

Treatment Groups	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Monocyte Percentage %	Nucleated Rbc Count 1000 per uL	Nucleated Rbc Per 100 Wbc per 100 WC
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Day 4

0 ppm	19.2 ± 1.1	32.9 ± 0.5	58.5 ± 3.6	3.1 ± 1.3	9.5 ± 2.3	0.5 ± 1.1
7.5 ppm	19.2 ± 1.2	33 ± 0.5	58.1 ± 3.7	3.2 ± 1	9.5 ± 2.4	0.5 ± 0.8
15 ppm	19.3 ± 1.1	33 ± 0.4	58.5 ± 3.2	3.2 ± 1	9.9 ± 2.4	1.2 ± 1.5
30 ppm	19.1 ± 0.9	32.8 ± 0.5	58.1 ± 3	2.9 ± 1	9.6 ± 2.5	0.4 ± 0.7
60 ppm	19.3 ± 1	32.9 ± 0.4	58.5 ± 3.1	3.5 ± 1.4	9.9 ± 2.3	0.3 ± 0.5
120 ppm	19.5 ± 0.9	32.9 ± 0.4	59.2 ± 2.9	3.3 ± 0.8	9.7 ± 1.9	0.3 ± 0.7

*p < 0.05

**p < 0.01

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First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	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 4

0 ppm	678.5 ± 127.5	8 ± 0.5	24.1 ± 15.2	9.8 ± 2.8
7.5 ppm	665.1 ± 118.4	7.9 ± 0.5	26.9 ± 18.5	9.5 ± 2.7
15 ppm	680.9 ± 105.9	7.9 ± 0.5	30.1 ± 16.8	9.5 ± 2.1
30 ppm	671.5 ± 128.9	8 ± 0.4	27.5 ± 14.4	10.3 ± 2.2
60 ppm	683 ± 82.2	7.9 ± 0.4	28.8 ± 17.2	11.2 ± 3.2
120 ppm	697.5 ± 74.1	7.8 ± 0.3	35.1 ± 18.9	11.4 ± 2.2

*p < 0.05

**p < 0.01

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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	Lymphocyte Percentage %
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Day 94

0 ppm	0.4 ± 0.3	0.3 ± 0.1	46.3 ± 1.2	47.2 ± 0.8	15.2 ± 0.3	86.3 ± 3.9
7.5 ppm	0.3 ± 0.2	0.4 ± 0.2	46.1 ± 1	47.2 ± 1.1	15.2 ± 0.4	86.6 ± 3.7
15 ppm	0.3 ± 0.2	0.4 ± 0.2	46 ± 0.9	47.1 ± 1.1	15.2 ± 0.3	86.6 ± 3
30 ppm	0.4 ± 0.2	0.3 ± 0.1	46.6 ± 1.9	47.3 ± 1.8	15.3 ± 0.5	86.1 ± 2.8
60 ppm	0.5 ± 0.5	0.4 ± 0.2	46.4 ± 1.1	47.2 ± 1.6	15.3 ± 0.5	84.4 ± 4.2
120 ppm	0.4 ± 0.2	0.4 ± 0.1	46 ± 0.9	46.9 ± 1.2	15.1 ± 0.3	84.5 ± 2.8

*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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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 Percentage %	Nucleated Rbc Count 1000 per uL	Nucleated Rbc Per 100 Wbc per 100 WC
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Day 94

0 ppm	19.2 ± 1.1	32.9 ± 0.5	58.5 ± 3.6	3.1 ± 1.3	9.5 ± 2.3	0.5 ± 1.1
7.5 ppm	19.2 ± 1.2	33 ± 0.5	58.1 ± 3.7	3.2 ± 1	9.5 ± 2.4	0.5 ± 0.8
15 ppm	19.3 ± 1.1	33 ± 0.4	58.5 ± 3.2	3.2 ± 1	9.9 ± 2.4	1.2 ± 1.5
30 ppm	19.1 ± 0.9	32.8 ± 0.5	58.1 ± 3	2.9 ± 1	9.6 ± 2.5	0.4 ± 0.7
60 ppm	19.3 ± 1	32.9 ± 0.4	58.5 ± 3.1	3.5 ± 1.4	9.9 ± 2.3	0.3 ± 0.5
120 ppm	19.5 ± 0.9	32.9 ± 0.4	59.2 ± 2.9	3.3 ± 0.8	9.7 ± 1.9	0.3 ± 0.7

*p < 0.05

**p < 0.01

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First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	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	678.5 ± 127.5	8 ± 0.5	24.1 ± 15.2	9.8 ± 2.8
7.5 ppm	665.1 ± 118.4	7.9 ± 0.5	26.9 ± 18.5	9.5 ± 2.7
15 ppm	680.9 ± 105.9	7.9 ± 0.5	30.1 ± 16.8	9.5 ± 2.1
30 ppm	671.5 ± 128.9	8 ± 0.4	27.5 ± 14.4	10.3 ± 2.2
60 ppm	683 ± 82.2	7.9 ± 0.4	28.8 ± 17.2	11.2 ± 3.2
120 ppm	697.5 ± 74.1	7.8 ± 0.3	35.1 ± 18.9	11.4 ± 2.2

*p < 0.05

**p < 0.01

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First Dose M/F: NA / NA

Lab: NA

FEMALE

Treatment Groups	Band Neutrophil Percentage %	Basophil Percentage %	Eosinophil Percentage %	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL
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Day 4

0 ppm	0 ± 0	0.3 ± 0.2	0.3 ± 0.1	47.1 ± 1.3	47.7 ± 1.1	15.5 ± 0.4
7.5 ppm	0.1 ± 0.3	0.4 ± 0.2	0.4 ± 0.1	46.9 ± 1.6	47.5 ± 1.2	15.5 ± 0.6
15 ppm	0 ± 0	0.3 ± 0.1	0.4 ± 0.2	46.3 ± 1.5	47.1 ± 1.4	15.2 ± 0.5
30 ppm	0 ± 0	0.3 ± 0.2	0.4 ± 0.1	46.3 ± 1	47.1 ± 1.3	15.2 ± 0.5
60 ppm	0 ± 0	0.3 ± 0.1	0.4 ± 0.1	46.5 ± 1	47.4 ± 1.1	15.3 ± 0.5
120 ppm	0 ± 0	0.3 ± 0.1	0.3 ± 0.1	46 ± 1.1**	46.5 ± 0.8**	15 ± 0.4**

*p < 0.05

**p < 0.01

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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 4

0 ppm	86.1 ± 5	19.8 ± 0.8	32.9 ± 0.6	60.5 ± 2	3.5 ± 1.7	11.1 ± 2.6
7.5 ppm	85.8 ± 3.1	19.9 ± 0.8	33 ± 0.7	60.4 ± 2	3.1 ± 1	10.7 ± 3.2
15 ppm	85.5 ± 4	20 ± 0.6	32.9 ± 0.6	60.8 ± 1.5	3.9 ± 2.7	11 ± 2.5
30 ppm	86.5 ± 4.4	20.2 ± 0.7	32.8 ± 0.7	61.6 ± 1.3	3 ± 1.2	10.1 ± 2.2
60 ppm	86.8 ± 3.2	20.3 ± 0.6	32.9 ± 0.8	61.8 ± 1.2	3.2 ± 1.2	10 ± 2.7
120 ppm	85.7 ± 3.8	20 ± 0.4	32.7 ± 0.6	61.1 ± 1.5	3.2 ± 1.2	10 ± 1.6

*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 4

0 ppm	0.4 ± 1	630 ± 135.8	7.8 ± 0.3	20.7 ± 10.2	9.7 ± 3.5
7.5 ppm	0.1 ± 0.3	642.3 ± 116.2	7.8 ± 0.4	24.3 ± 11.2	10.3 ± 2.3
15 ppm	0.2 ± 0.4	652.3 ± 104.1	7.6 ± 0.3	26.4 ± 13.6	10.3 ± 2.7
30 ppm	0.4 ± 0.5	666.7 ± 78.3	7.5 ± 0.2**	28.2 ± 9.1	9.8 ± 3.4
60 ppm	0.1 ± 0.3	656.9 ± 90.6	7.5 ± 0.2**	27.6 ± 8.2	9.4 ± 2.2
120 ppm	0.4 ± 0.5	687.1 ± 90.6	7.5 ± 0.2**	26.5 ± 9.1	10.4 ± 2.7

*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

FEMALE

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

0 ppm	0 ± 0	0.3 ± 0.2	0.3 ± 0.1	47.1 ± 1.3	47.7 ± 1.1	15.5 ± 0.4
7.5 ppm	0.1 ± 0.3	0.4 ± 0.2	0.4 ± 0.1	46.9 ± 1.6	47.5 ± 1.2	15.5 ± 0.6
15 ppm	0 ± 0	0.3 ± 0.1	0.4 ± 0.2	46.3 ± 1.5	47.1 ± 1.4	15.2 ± 0.5
30 ppm	0 ± 0	0.3 ± 0.2	0.4 ± 0.1	46.3 ± 1	47.1 ± 1.3	15.2 ± 0.5
60 ppm	0 ± 0	0.3 ± 0.1	0.4 ± 0.1	46.5 ± 1	47.4 ± 1.1	15.3 ± 0.5
120 ppm	0 ± 0	0.3 ± 0.1	0.3 ± 0.1	46 ± 1.1**	46.5 ± 0.8**	15 ± 0.4**

*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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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	86.1 ± 5	19.8 ± 0.8	32.9 ± 0.6	60.5 ± 2	3.5 ± 1.7	11.1 ± 2.6
7.5 ppm	85.8 ± 3.1	19.9 ± 0.8	33 ± 0.7	60.4 ± 2	3.1 ± 1	10.7 ± 3.2
15 ppm	85.5 ± 4	20 ± 0.6	32.9 ± 0.6	60.8 ± 1.5	3.9 ± 2.7	11 ± 2.5
30 ppm	86.5 ± 4.4	20.2 ± 0.7	32.8 ± 0.7	61.6 ± 1.3	3 ± 1.2	10.1 ± 2.2
60 ppm	86.8 ± 3.2	20.3 ± 0.6	32.9 ± 0.8	61.8 ± 1.2	3.2 ± 1.2	10 ± 2.7
120 ppm	85.7 ± 3.8	20 ± 0.4	32.7 ± 0.6	61.1 ± 1.5	3.2 ± 1.2	10 ± 1.6

*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 94

0 ppm	0.4 ± 1	630 ± 135.8	7.8 ± 0.3	20.7 ± 10.2	9.7 ± 3.5
7.5 ppm	0.1 ± 0.3	642.3 ± 116.2	7.8 ± 0.4	24.3 ± 11.2	10.3 ± 2.3
15 ppm	0.2 ± 0.4	652.3 ± 104.1	7.6 ± 0.3	26.4 ± 13.6	10.3 ± 2.7
30 ppm	0.4 ± 0.5	666.7 ± 78.3	7.5 ± 0.2**	28.2 ± 9.1	9.8 ± 3.4
60 ppm	0.1 ± 0.3	656.9 ± 90.6	7.5 ± 0.2**	27.6 ± 8.2	9.4 ± 2.2
120 ppm	0.4 ± 0.5	687.1 ± 90.6	7.5 ± 0.2**	26.5 ± 9.1	10.4 ± 2.7

**** END OF REPORT ****

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