

**Experiment Number:** 99017-03

**Species/Strain:** Rat/Fischer 344

**P43: Terminal Sacrifice Hematology Data**

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 00:29:31

**First Dose M/F:** NA / NA

**Lab:** NA

**C Number:** C99017

**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

Time Report Requested: 00:29:31

First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	Basophil Count 1000 per uL	Eosinophil Count	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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Day 93

0 ppm	0 ± 0	0.1 ± 0.1	47.4 ± 1.7	48.4 ± 1.5	15.3 ± 0.5	6.8 ± 1.5
8 ppm	0 ± 0	0.1 ± 0.1	47.3 ± 2	48.2 ± 1.7	15.3 ± 0.6	7 ± 1.6
16 ppm	0 ± 0	0.1 ± 0.1	47.1 ± 1.4	47.9 ± 1.5	15.2 ± 0.5	7.1 ± 1.6
32 ppm	0 ± 0	0.1 ± 0.1	47 ± 1.3	48 ± 1.2	15.2 ± 0.5	7.1 ± 1.2
62 ppm	0 ± 0	0.1 ± 0.1	46.8 ± 1.6	47.6 ± 1.1	15.1 ± 0.5	7.4 ± 1.8
125 ppm	0 ± 0	0.1 ± 0.1	47.5 ± 1.1	48.8 ± 1.2	15.4 ± 0.4	6.8 ± 1

\*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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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 Per 100 Wbc per 100 WC	Platelet Count 1000 per uL
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**Day 93**

<b>0 ppm</b>	18.1 ± 0.9	32.4 ± 0.5	55.8 ± 2.8	0.1 ± 0.1	0.1 ± 0.4	708.5 ± 73
<b>8 ppm</b>	18.1 ± 0.9	32.4 ± 0.3	55.8 ± 2.9	0.1 ± 0.1	0.5 ± 0.5	697.9 ± 101.2
<b>16 ppm</b>	18 ± 0.9	32.3 ± 0.4	55.8 ± 2.9	0.1 ± 0.1	0.3 ± 0.7	743 ± 77
<b>32 ppm</b>	18 ± 0.8	32.4 ± 0.5	55.8 ± 3	0.1 ± 0	0.2 ± 0.4	730.8 ± 102.8
<b>62 ppm</b>	18 ± 0.9	32.2 ± 0.5	55.8 ± 3	0.1 ± 0	0.3 ± 0.6	727.8 ± 87.9
<b>125 ppm</b>	18.1 ± 0.9	32.5 ± 0.5	55.7 ± 3	0.1 ± 0.2	0.4 ± 0.6	727 ± 115.1

\*p < 0.05

\*\*p < 0.01

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MALE

Treatment Groups	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
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Day 93

0 ppm	8.5 ± 0.6	179.4 ± 50.5	1.4 ± 0.3	8.4 ± 1.7
8 ppm	8.5 ± 0.7	193.8 ± 47.1	1.2 ± 0.2	8.5 ± 1.7
16 ppm	8.5 ± 0.6	183.8 ± 40.2	1.4 ± 0.4	8.7 ± 1.8
32 ppm	8.5 ± 0.6	<b>217.8 ± 51.9**</b>	1.3 ± 0.3	8.6 ± 1.3
62 ppm	8.4 ± 0.6	<b>221.2 ± 77*</b>	1.5 ± 0.4	9.1 ± 2
125 ppm	8.6 ± 0.6	<b>222.4 ± 60.4*</b>	1.4 ± 0.2	8.5 ± 1.1

\*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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First Dose M/F: NA / NA

Lab: NA

**MALE**

Treatment Groups	Basophil Count 1000 per uL	Eosinophil Count	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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**Day 94**

<b>0 ppm</b>	0 ± 0	0.1 ± 0.1	47.4 ± 1.7	48.4 ± 1.5	15.3 ± 0.5	6.8 ± 1.5
<b>8 ppm</b>	0 ± 0	0.1 ± 0.1	47.3 ± 2	48.2 ± 1.7	15.3 ± 0.6	7 ± 1.6
<b>16 ppm</b>	0 ± 0	0.1 ± 0.1	47.1 ± 1.4	47.9 ± 1.5	15.2 ± 0.5	7.1 ± 1.6
<b>32 ppm</b>	0 ± 0	0.1 ± 0.1	47 ± 1.3	48 ± 1.2	15.2 ± 0.5	7.1 ± 1.2
<b>62 ppm</b>	0 ± 0	0.1 ± 0.1	46.8 ± 1.6	47.6 ± 1.1	15.1 ± 0.5	7.4 ± 1.8
<b>125 ppm</b>	0 ± 0	0.1 ± 0.1	47.5 ± 1.1	48.8 ± 1.2	15.4 ± 0.4	6.8 ± 1

\*p < 0.05

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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 Per 100 Wbc per 100 WC	Platelet Count 1000 per uL
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**Day 94**

<b>0 ppm</b>	18.1 ± 0.9	32.4 ± 0.5	55.8 ± 2.8	0.1 ± 0.1	0.1 ± 0.4	708.5 ± 73
<b>8 ppm</b>	18.1 ± 0.9	32.4 ± 0.3	55.8 ± 2.9	0.1 ± 0.1	0.5 ± 0.5	697.9 ± 101.2
<b>16 ppm</b>	18 ± 0.9	32.3 ± 0.4	55.8 ± 2.9	0.1 ± 0.1	0.3 ± 0.7	743 ± 77
<b>32 ppm</b>	18 ± 0.8	32.4 ± 0.5	55.8 ± 3	0.1 ± 0	0.2 ± 0.4	730.8 ± 102.8
<b>62 ppm</b>	18 ± 0.9	32.2 ± 0.5	55.8 ± 3	0.1 ± 0	0.3 ± 0.6	727.8 ± 87.9
<b>125 ppm</b>	18.1 ± 0.9	32.5 ± 0.5	55.7 ± 3	0.1 ± 0.2	0.4 ± 0.6	727 ± 115.1

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Lab: NA

MALE

Treatment Groups	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
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Day 94

<b>0 ppm</b>	8.5 ± 0.6	179.4 ± 50.5	1.4 ± 0.3	8.4 ± 1.7
<b>8 ppm</b>	8.5 ± 0.7	193.8 ± 47.1	1.2 ± 0.2	8.5 ± 1.7
<b>16 ppm</b>	8.5 ± 0.6	183.8 ± 40.2	1.4 ± 0.4	8.7 ± 1.8
<b>32 ppm</b>	8.5 ± 0.6	<b>217.8 ± 51.9**</b>	1.3 ± 0.3	8.6 ± 1.3
<b>62 ppm</b>	8.4 ± 0.6	<b>221.2 ± 77*</b>	1.5 ± 0.4	9.1 ± 2
<b>125 ppm</b>	8.6 ± 0.6	<b>222.4 ± 60.4*</b>	1.4 ± 0.2	8.5 ± 1.1

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Lab: NA

FEMALE

Treatment Groups	Basophil Count 1000 per uL	Eosinophil Count	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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Day 93

<b>0 ppm</b>	0 ± 0	0.1 ± 0.1	48.3 ± 1.8	48.5 ± 2	15.7 ± 0.5	6.5 ± 2.1
<b>8 ppm</b>	0 ± 0	0.1 ± 0.1	47.6 ± 1.7	48.1 ± 1.3	15.6 ± 0.4	7 ± 2.4
<b>16 ppm</b>	0 ± 0	0.1 ± 0	48 ± 1.7	48.2 ± 1.6	15.6 ± 0.6	6.7 ± 2.1
<b>32 ppm</b>	0 ± 0	0.1 ± 0.1	48.6 ± 2.9	48.7 ± 2.6	15.7 ± 0.8	6.5 ± 2.1
<b>62 ppm</b>	0 ± 0	0.1 ± 0.1	48.2 ± 1.1	48.6 ± 1.2	15.8 ± 0.4	6.3 ± 1.7
<b>125 ppm</b>	0 ± 0	0.1 ± 0.1	48.1 ± 1.2	48.6 ± 1.5	15.7 ± 0.3	6.6 ± 1.7

\*p < 0.05

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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 Per 100 Wbc per 100 WC	Platelet Count 1000 per uL
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**Day 93**

<b>0 ppm</b>	18.9 ± 0.6	32.5 ± 0.7	58.2 ± 2.2	0.1 ± 0.1	0.3 ± 0.5	724.9 ± 72.4
<b>8 ppm</b>	18.9 ± 0.5	32.9 ± 0.7	57.5 ± 1.5	0.1 ± 0.1	0.1 ± 0.5	711.5 ± 106.7
<b>16 ppm</b>	18.9 ± 0.5	32.5 ± 0.7	58.3 ± 2	0.1 ± 0.1	0.2 ± 0.6	731.5 ± 79.6
<b>32 ppm</b>	18.8 ± 0.4	32.4 ± 0.6	57.9 ± 1.7	0.1 ± 0.1	0.4 ± 0.7	740.9 ± 115.4
<b>62 ppm</b>	19 ± 0.5	32.7 ± 0.5	58.1 ± 1.9	0.1 ± 0.1	0.4 ± 0.6	733.7 ± 89.7
<b>125 ppm</b>	18.9 ± 0.5	32.7 ± 0.5	57.8 ± 1.9	0.1 ± 0.1	0.3 ± 0.6	739.4 ± 65.9

\*p < 0.05

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First Dose M/F: NA / NA

Lab: NA

FEMALE

Treatment Groups	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
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Day 93

0 ppm	8.3 ± 0.3	186.1 ± 45.4	1.4 ± 0.5	8.1 ± 2.3
8 ppm	8.3 ± 0.3	173.8 ± 32.6	1.3 ± 0.4	8.5 ± 2.6
16 ppm	8.2 ± 0.4	174.3 ± 43.7	1.5 ± 0.5	8.4 ± 2.4
32 ppm	8.4 ± 0.5	176.6 ± 47.6	1.2 ± 0.4	7.9 ± 2.5
62 ppm	8.3 ± 0.4	179 ± 47.5	1.3 ± 0.5	7.8 ± 2
125 ppm	8.3 ± 0.2	178.6 ± 34.3	1.3 ± 0.3	8.1 ± 2

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First Dose M/F: NA / NA

Lab: NA

FEMALE

Treatment Groups	Basophil Count 1000 per uL	Eosinophil Count	Hematocrit %	Hematocrit Manual %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL
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Day 94

<b>0 ppm</b>	0 ± 0	0.1 ± 0.1	48.3 ± 1.8	48.5 ± 2	15.7 ± 0.5	6.5 ± 2.1
<b>8 ppm</b>	0 ± 0	0.1 ± 0.1	47.6 ± 1.7	48.1 ± 1.3	15.6 ± 0.4	7 ± 2.4
<b>16 ppm</b>	0 ± 0	0.1 ± 0	48 ± 1.7	48.2 ± 1.6	15.6 ± 0.6	6.7 ± 2.1
<b>32 ppm</b>	0 ± 0	0.1 ± 0.1	48.6 ± 2.9	48.7 ± 2.6	15.7 ± 0.8	6.5 ± 2.1
<b>62 ppm</b>	0 ± 0	0.1 ± 0.1	48.2 ± 1.1	48.6 ± 1.2	15.8 ± 0.4	6.3 ± 1.7
<b>125 ppm</b>	0 ± 0	0.1 ± 0.1	48.1 ± 1.2	48.6 ± 1.5	15.7 ± 0.3	6.6 ± 1.7

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Lab: NA

**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 Per 100 Wbc per 100 WC	Platelet Count 1000 per uL
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<b>125 ppm</b>	18.9 ± 0.5	32.7 ± 0.5	57.8 ± 1.9	0.1 ± 0.1	0.3 ± 0.6	739.4 ± 65.9

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First Dose M/F: NA / NA

Lab: NA

FEMALE

Treatment Groups	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	Segmented Neutrophil Count 1000 per uL	White Blood Cell Count 1000 per uL
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Day 94

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16 ppm	8.2 ± 0.4	174.3 ± 43.7	1.5 ± 0.5	8.4 ± 2.4
32 ppm	8.4 ± 0.5	176.6 ± 47.6	1.2 ± 0.4	7.9 ± 2.5
62 ppm	8.3 ± 0.4	179 ± 47.5	1.3 ± 0.5	7.8 ± 2
125 ppm	8.3 ± 0.2	178.6 ± 34.3	1.3 ± 0.3	8.1 ± 2

\*\* END OF REPORT \*\*

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