

**Experiment Number:** 20007-03

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

**P43: Terminal Sacrifice Hematology Data**

**Date Report Requested:** 10/24/2014

**Time Report Requested:** 11:41:19

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

**Lab:** NA

**C Number:** C20007

**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 Count 1000 per uL	Basophil Percentage %	Eosinophil Count	Eosinophil Percentage %	Hematocrit %	Hemoglobin g per dL
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Day 93

<b>0 g/kg</b>	0 ± 0	0.4 ± 0.1	0.1 ± 0	0.9 ± 0.3	48.9 ± 1.1	15.4 ± 0.4
<b>0.125 g/kg</b>	0 ± 0	0.4 ± 0.1	0.1 ± 0	0.9 ± 0.1	49.1 ± 1.6	15.4 ± 0.6
<b>0.25 g/kg</b>	0 ± 0	0.4 ± 0.1	0.1 ± 0	0.8 ± 0.2	48 ± 0.9	15 ± 0.3
<b>0.5 g/kg</b>	0 ± 0	0.3 ± 0.2	<b>0.1 ± 0*</b>	0.7 ± 0.1	48.5 ± 1	15.1 ± 0.3
<b>1.0 g/kg</b>	0 ± 0	0.5 ± 0.2	<b>0.1 ± 0*</b>	0.8 ± 0.3	49.9 ± 1.8	15.4 ± 0.6
<b>2.0 g/kg</b>	0 ± 0	0.3 ± 0.1	<b>0 ± 0**</b>	<b>0.6 ± 0.2*</b>	49.8 ± 3.8	15.2 ± 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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**MALE**

Treatment Groups	Large Unstained Cells Count 1000 per uL	Large Unstained Cells Percentage %	Lymphocyte Count 1000 per uL	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL
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**Day 93**

<b>0 g/kg</b>	0.1 ± 0	0.6 ± 0.2	7.5 ± 1.7	82.6 ± 1.5	17.5 ± 0.3	31.5 ± 0.6
<b>0.125 g/kg</b>	0 ± 0	0.6 ± 0.3	6 ± 2	79.4 ± 2.3	17.4 ± 0.3	31.4 ± 0.5
<b>0.25 g/kg</b>	0 ± 0	0.6 ± 0.2	7.1 ± 1.1	82.2 ± 1.8	17.3 ± 0.2	31.3 ± 0.2
<b>0.5 g/kg</b>	0 ± 0	0.5 ± 0.3	5.9 ± 1.8	82.1 ± 2.5	17.3 ± 0.2	31.2 ± 0.3
<b>1.0 g/kg</b>	0 ± 0	0.5 ± 0.2	5.7 ± 1.6	<b>78 ± 4*</b>	<b>17.2 ± 0.2*</b>	<b>30.9 ± 0.4**</b>
<b>2.0 g/kg</b>	0 ± 0	0.5 ± 0.3	5.7 ± 1.5	<b>78.5 ± 3.2*</b>	<b>16.6 ± 0.3**</b>	<b>30.5 ± 0.3**</b>

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MALE

Treatment Groups	Mean Corpuscular Volume fL	Monocyte Count 1000 per uL	Monocyte Percentage %	Neutrophil Count 1000 per uL	Neutrophil Percentage %	Platelet Count 1000 per uL
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Day 93

<b>0 g/kg</b>	55.4 ± 0.8	0.1 ± 0.1	1.4 ± 0.5	1.3 ± 0.4	14.2 ± 1.1	729.6 ± 46.8
<b>0.125 g/kg</b>	55.6 ± 0.5	0.1 ± 0.1	1.8 ± 0.7	1.3 ± 0.3	17 ± 2.4	695.4 ± 71.4
<b>0.25 g/kg</b>	55.2 ± 0.5	0.1 ± 0	1.6 ± 0.5	1.2 ± 0.2	14.5 ± 1.4	735 ± 42.2
<b>0.5 g/kg</b>	55.6 ± 0.5	0.1 ± 0.1	1.3 ± 0.4	1 ± 0.2	15 ± 2.7	750.9 ± 34
<b>1.0 g/kg</b>	55.8 ± 0.6	0.1 ± 0	1.3 ± 0.4	1.4 ± 0.4	<b>18.9 ± 3.8**</b>	769.9 ± 57.1
<b>2.0 g/kg</b>	54.5 ± 1	0.1 ± 0.1	1.4 ± 0.4	1.3 ± 0.1	<b>18.6 ± 3.5**</b>	<b>798.7 ± 46.6*</b>

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MALE

Treatment Groups	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	Reticulocyte Percentage %	White Blood Cell Count 1000 per uL
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Day 93

0 g/kg	8.8 ± 0.2	202.5 ± 6.9	2.3 ± 0.1	9.1 ± 2.2
0.125 g/kg	8.8 ± 0.3	207.5 ± 23.4	2.4 ± 0.3	7.6 ± 2.4
0.25 g/kg	8.7 ± 0.2	195.9 ± 22.6	2.3 ± 0.2	8.6 ± 1.3
0.5 g/kg	8.7 ± 0.2	<b>217.8 ± 14.8*</b>	<b>2.5 ± 0.2**</b>	7.2 ± 2.1
1.0 g/kg	9 ± 0.3	<b>266 ± 98.9**</b>	<b>3 ± 1.3**</b>	7.3 ± 1.9
2.0 g/kg	9.1 ± 0.6	<b>260.9 ± 29.4**</b>	<b>2.8 ± 0.3**</b>	7.2 ± 1.6

\*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	Basophil Count 1000 per uL	Basophil Percentage %	Eosinophil Count	Eosinophil Percentage %	Hematocrit %	Hemoglobin g per dL
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## Day 93

<b>0 g/kg</b>	0 ± 0	0.4 ± 0.2	0.1 ± 0	0.9 ± 0.3	47.4 ± 0.7	15.6 ± 0.3
<b>0.125 g/kg</b>	0 ± 0	0.5 ± 0.1	0.1 ± 0	1 ± 0.5	47.7 ± 1	15.6 ± 0.3
<b>0.25 g/kg</b>	0 ± 0	0.5 ± 0.1	0.1 ± 0	0.8 ± 0.2	47.5 ± 1.2	15.6 ± 0.3
<b>0.5 g/kg</b>	0 ± 0	0.5 ± 0.2	<b>0.1 ± 0*</b>	0.7 ± 0.2	47.7 ± 1.3	15.4 ± 0.5
<b>1.0 g/kg</b>	0 ± 0	0.4 ± 0.1	<b>0.1 ± 0**</b>	<b>0.7 ± 0.6*</b>	47.4 ± 1.4	15.2 ± 0.5
<b>2.0 g/kg</b>	0 ± 0	0.5 ± 0.2	<b>0 ± 0**</b>	<b>0.5 ± 0.1**</b>	48.7 ± 2.7	15.5 ± 0.6

\*p &lt; 0.05

\*\*p &lt; 0.01

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**FEMALE**

Treatment Groups	Large Unstained Cells Count 1000 per uL	Large Unstained Cells Percentage %	Lymphocyte Count 1000 per uL	Lymphocyte Percentage %	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL
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**Day 93**

<b>0 g/kg</b>	0 ± 0	0.4 ± 0.1	7.1 ± 1.6	83.4 ± 2.4	18.7 ± 0.4	32.8 ± 0.6
<b>0.125 g/kg</b>	0 ± 0	0.5 ± 0.2	6 ± 1.2	80.5 ± 4.6	18.6 ± 0.2	32.7 ± 0.4
<b>0.25 g/kg</b>	0 ± 0	0.5 ± 0.1	6.6 ± 0.7	80.9 ± 3.7	18.8 ± 0.3	32.8 ± 0.5
<b>0.5 g/kg</b>	0 ± 0	0.5 ± 0.2	6.7 ± 0.7	81.6 ± 1.4	18.5 ± 0.3	32.5 ± 0.8
<b>1.0 g/kg</b>	0 ± 0	0.5 ± 0.2	7.1 ± 1.1	82.1 ± 3.4	<b>18.1 ± 0.3**</b>	<b>32.1 ± 0.7*</b>
<b>2.0 g/kg</b>	0 ± 0	0.5 ± 0.2	5.9 ± 1	<b>78.2 ± 3.7**</b>	<b>17.8 ± 0.4**</b>	<b>31.8 ± 0.6*</b>

\*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 Corpuscular Volume fL	Monocyte Count 1000 per uL	Monocyte Percentage %	Neutrophil Count 1000 per uL	Neutrophil Percentage %	Platelet Count 1000 per uL
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## Day 93

<b>0 g/kg</b>	57 ± 0.4	0.1 ± 0.1	1.7 ± 0.4	1.1 ± 0.2	13.1 ± 2.2	730.3 ± 95
<b>0.125 g/kg</b>	56.9 ± 0.4	0.1 ± 0	1.8 ± 0.4	1.1 ± 0.2	15.7 ± 4.4	673.5 ± 70
<b>0.25 g/kg</b>	57.2 ± 0.3	0.1 ± 0	1.7 ± 0.5	1.3 ± 0.3	15.8 ± 3.1	693.2 ± 59.2
<b>0.5 g/kg</b>	56.9 ± 0.7	0.1 ± 0	1.8 ± 0.4	1.2 ± 0.2	14.9 ± 1	706.4 ± 74.2
<b>1.0 g/kg</b>	56.6 ± 0.7	0.2 ± 0.1	1.8 ± 0.6	1.2 ± 0.3	14.5 ± 2.9	649.9 ± 66.4
<b>2.0 g/kg</b>	<b>55.9 ± 0.3**</b>	0.1 ± 0	1.9 ± 0.2	1.4 ± 0.2	<b>18.5 ± 3.8**</b>	630.7 ± 26.2

\*p &lt; 0.05

\*\*p &lt; 0.01

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**FEMALE**

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Treatment Groups	Red Blood Cell Count million per uL	Reticulocyte Count 1000 per microliter	Reticulocyte Percentage %	White Blood Cell Count 1000 per uL
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**Day 93**

<b>0 g/kg</b>	8.3 ± 0.1	176.1 ± 17.5	2.1 ± 0.2	8.5 ± 1.8
<b>0.125 g/kg</b>	8.4 ± 0.2	180.4 ± 15.8	2.2 ± 0.2	7.5 ± 1.2
<b>0.25 g/kg</b>	8.3 ± 0.2	165.5 ± 14	2 ± 0.2	8.1 ± 0.9
<b>0.5 g/kg</b>	8.4 ± 0.2	174.7 ± 18.4	2.1 ± 0.2	8.2 ± 0.9
<b>1.0 g/kg</b>	8.4 ± 0.2	171.1 ± 23.7	2 ± 0.3	8.6 ± 1.2
<b>2.0 g/kg</b>	8.7 ± 0.5	165.7 ± 23.3	1.9 ± 0.3	7.5 ± 1

**\*\* END OF REPORT \*\***

\*p < 0.05

\*\*p < 0.01

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