**Experiment Number:** 92012-03
**Species/Strain:** Rat/Fischer 344

**P43: Terminal Sacrifice Hematology Data**

**Date Report Requested:** 10/26/2014
**Time Report Requested:** 01:40:38
**First Dose M/F:** NA / NA
**Lab:** NA

| | |
|---|---|
| **C Number:** | C92012 |
| **Cage Range:** | All |
| **Date Range:** | All |
| **Reasons For Removal:** | All |
| **Removal Date Range:** | All |
| **Treatment Groups:** | All |
| **Study Gender:** | Both |

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## MALE

| Treatment Groups | Band Neutrophil Count 1000 per microliter | Eosinophil Count | Hematocrit % | Hematocrit Manual % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|---|---|---|---|---|---|---|
| **Day 93** | | | | | | |
| **0 ppm** | 0 ± 0 | 0.1 ± 0.1 | 45.5 ± 0.9 | 47.7 ± 1.1 | 16 ± 0.3 | 10.1 ± 1.7 |
| **625 ppm** | 0 ± 0 | 0.1 ± 0.1 | 45.6 ± 1.3 | 47.9 ± 1.7 | 15.9 ± 0.5 | 10.3 ± 1.4 |
| **1250 ppm** | 0 ± 0 | 0.1 ± 0.1 | 45 ± 1.4 | 47.5 ± 1.5 | 15.8 ± 0.5 | 9.4 ± 2.6 |
| **2500 ppm** | 0 ± 0 | 0.1 ± 0.1 | **44.4 ± 1.5*** | 47.1 ± 1.7 | **15.6 ± 0.4*** | 10.2 ± 1.5 |
| **5000 ppm** | 0 ± 0.1 | 0.1 ± 0.1 | **43.1 ± 1.9\*\*** | **45.9 ± 1.8\*\*** | **15.1 ± 0.6\*\*** | 9.8 ± 1.8 |
| **10000 ppm** | 0 ± 0 | 0 ± 0.1 | **41.4 ± 1.9\*\*** | **44.3 ± 2.2\*\*** | **14.5 ± 0.6\*\*** | 10.2 ± 1.9 |

*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 % | Mean Corpuscular Volume fL | Monocyte Count 1000 per uL | Myelocyte Count 1,000 per microliter | Nucleated Rbc Per 100 Wbc per 100 WC |
|---|---|---|---|---|---|---|
| **Day 93** | | | | | | |
| **0 ppm** | 19.2 ± 1.3 | 35.1 ± 0.5 | 54.8 ± 3.2 | 0.4 ± 0.1 | 0 ± 0 | 0.3 ± 0.5 |
| **625 ppm** | 19.1 ± 1.4 | 35 ± 0.6 | 54.6 ± 3.7 | 0.4 ± 0.2 | 0 ± 0.1 | 0.2 ± 0.6 |
| **1250 ppm** | 19.2 ± 1.3 | 35 ± 0.6 | 54.9 ± 3.5 | 0.3 ± 0.2 | 0 ± 0 | 0.5 ± 0.8 |
| **2500 ppm** | 19.1 ± 1.3 | 35.1 ± 0.5 | 54.5 ± 3.4 | 0.4 ± 0.2 | 0 ± 0 | 0.5 ± 0.7 |
| **5000 ppm** | 18.9 ± 1.4 | 35.1 ± 0.6 | 54 ± 3.7 | 0.3 ± 0.2 | 0 ± 0 | 0.2 ± 0.5 |
| **10000 ppm** | 18.6 ± 1.3 | 35 ± 0.7 | **53.3 ± 3.6\*** | 0.4 ± 0.2 | 0 ± 0 | 0.1 ± 0.3 |

*p < 0.05

**p < 0.01

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## MALE

| Treatment Groups | Platelet Count 1000 per uL | 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 |
|---|---|---|---|---|---|
| **Day 93** | | | | | |
| **0 ppm** | 652.7 ± 55.4 | 8.3 ± 0.5 | 0.2 ± 0 | 1.7 ± 0.7 | 12.2 ± 1.8 |
| **625 ppm** | 636 ± 65.7 | 8.4 ± 0.5 | 0.2 ± 0 | 2 ± 0.7 | 12.8 ± 1.7 |
| **1250 ppm** | 653.6 ± 61.8 | 8.2 ± 0.4 | 0.2 ± 0 | 1.5 ± 0.6 | 11.3 ± 2.9 |
| **2500 ppm** | 688.2 ± 73.7 | 8.2 ± 0.5 | 0.2 ± 0 | 1.8 ± 0.7 | 12.5 ± 1.6 |
| **5000 ppm** | **736.9 ± 135.9\*\*** | 8 ± 0.5 | 0.2 ± 0 | 1.9 ± 0.8 | 12.1 ± 2.1 |
| **10000 ppm** | **813 ± 126\*\*** | **7.8 ± 0.4\*\*** | 0.2 ± 0 | 2 ± 0.8 | 12.6 ± 2.4 |

\*$p < 0.05$

\*\*$p < 0.01$

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## FEMALE

| Treatment Groups | Band Neutrophil Count 1000 per microliter | Eosinophil Count | Hematocrit % | Hematocrit Manual % | Hemoglobin g per dL | Lymphocyte Count 1000 per uL |
|---|---|---|---|---|---|---|
| **Day 93** | | | | | | |
| **0 ppm** | 0 ± 0 | 0.1 ± 0.1 | 45.2 ± 1.7 | 46.8 ± 1.6 | 15.7 ± 0.6 | 9.1 ± 2 |
| **625 ppm** | 0 ± 0 | 0 ± 0.1 | 45 ± 2.1 | 46.4 ± 2.2 | 15.6 ± 0.7 | 8.4 ± 2.2 |
| **1250 ppm** | 0 ± 0 | 0.1 ± 0.1 | 44.3 ± 1.4 | 46.3 ± 1.5 | 15.5 ± 0.5 | 8.5 ± 1.9 |
| **2500 ppm** | 0 ± 0 | 0 ± 0.1 | **44.1 ± 1.6\*** | 45.8 ± 1.9 | **15.3 ± 0.6\*** | 8.8 ± 1.9 |
| **5000 ppm** | 0 ± 0 | 0.4 ± 1.8 | **42.3 ± 1.4\*\*** | **44.5 ± 1.7\*\*** | **14.9 ± 0.5\*\*** | 9.3 ± 2.1 |
| **10000 ppm** | 0 ± 0 | 0.1 ± 0.2 | **39.6 ± 4.2\*\*** | **42.8 ± 3.3\*\*** | **14 ± 1.3\*\*** | 9.5 ± 3.2 |

*p < 0.05

**p < 0.01

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## FEMALE

| Treatment Groups | Mean Cell Hemoglobin pg | Mean Cell Hemoglobin Concentration % | Mean Corpuscular Volume fL | Monocyte Count 1000 per uL | Myelocyte Count 1,000 per microliter | Nucleated Rbc Per 100 Wbc per 100 WC |
|---|---|---|---|---|---|---|
| **Day 93** | | | | | | |
| **0 ppm** | 20.4 ± 0.9 | 34.8 ± 0.6 | 58.6 ± 1.9 | 0.2 ± 0.2 | 0 ± 0 | 0 ± 0 |
| **625 ppm** | 20.1 ± 0.8 | 34.6 ± 0.8 | 58.2 ± 2 | 0.3 ± 0.2 | 0 ± 0 | 0.2 ± 0.5 |
| **1250 ppm** | 20.4 ± 0.9 | 35 ± 0.6 | 58.2 ± 2.1 | 0.2 ± 0.4 | 0 ± 0 | 0.2 ± 0.5 |
| **2500 ppm** | 20.1 ± 0.8 | 34.7 ± 0.5 | 58 ± 2 | 0.2 ± 0.2 | 0 ± 0 | 0 ± 0 |
| **5000 ppm** | **19.8 ± 1*** | 35.2 ± 0.7 | **56.3 ± 2.4**** | 0.2 ± 0.2 | 0 ± 0 | 0.1 ± 0.2 |
| **10000 ppm** | **19.2 ± 0.9**** | **35.4 ± 0.7**** | **54.2 ± 2.7**** | 0.1 ± 0.2 | 0 ± 0 | 0 ± 0 |

*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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**Lab:** NA

## FEMALE

| Treatment Groups | Platelet Count 1000 per uL | 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 |
|---|---|---|---|---|---|
| **Day 93** | | | | | |
| **0 ppm** | 614.5 ± 53.1 | 7.7 ± 0.3 | 0.1 ± 0 | 1.7 ± 1 | 11.2 ± 2.5 |
| **625 ppm** | 655 ± 118.1 | 7.7 ± 0.3 | 0.1 ± 0 | 1.8 ± 0.9 | 10.7 ± 2.7 |
| **1250 ppm** | 645 ± 85.7 | 7.6 ± 0.3 | 0.1 ± 0 | 1.6 ± 0.6 | 10.7 ± 2 |
| **2500 ppm** | 658.3 ± 65.6 | 7.6 ± 0.2 | 0.1 ± 0 | 1.5 ± 0.9 | 10.6 ± 2.1 |
| **5000 ppm** | **703.2 ± 96.3**\*\* | **7.5 ± 0.3**\* | 0.1 ± 0 | 1.5 ± 0.9 | 11.1 ± 2.3 |
| **10000 ppm** | **779.2 ± 124**\*\* | **7.3 ± 0.8**\* | 0.1 ± 0 | 1.4 ± 0.7 | 11.3 ± 3.3 |

** END OF REPORT **

\*p < 0.05

\*\*p < 0.01

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