

Experiment Number: 97008-03

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 18:46:41

First Dose M/F: NA / NA

Lab: NA

C Number: C97008

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

Experiment Number: 97008-03

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 18:46:41

First Dose M/F: NA / NA

Lab: NA

MALE

| Treatment Groups | Albumin g per dL | Albumin Globulin Ratio | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g | BUN mg per dL |
|------------------|------------------|------------------------|--------------|--------------|------------------------------------|---------------|
|------------------|------------------|------------------------|--------------|--------------|------------------------------------|---------------|

Day 93

| | | | | | | |
|---------------|-----------|-----------|---------------|---------------------|------------|------------|
| 0 ppm | 3.8 ± 0.3 | 1.5 ± 0.3 | 389.4 ± 132 | 65.3 ± 24.8 | 26.1 ± 3.3 | 11.2 ± 2.8 |
| 4 ppm | 3.8 ± 0.2 | 1.5 ± 0.3 | 392.6 ± 124.8 | 74.8 ± 39.1 | 29.7 ± 7.8 | 11.7 ± 2.9 |
| 8 ppm | 4 ± 0.2 | 1.6 ± 0.3 | 398.9 ± 122.1 | 60.6 ± 23.4 | 26.3 ± 4.1 | 11.3 ± 2.3 |
| 16 ppm | 3.8 ± 0.1 | 1.5 ± 0.3 | 396.9 ± 120.9 | 70.1 ± 36.6 | 26 ± 2.1 | 12.1 ± 2.9 |
| 32 ppm | 3.8 ± 0.1 | 1.5 ± 0.2 | 392.1 ± 125.2 | 52.5 ± 18.7* | 25.2 ± 3.3 | 11.8 ± 2 |
| 64 ppm | 3.9 ± 0.2 | 1.4 ± 0.2 | 364.9 ± 116.4 | 52.4 ± 20.5* | 25.6 ± 4.8 | 12.9 ± 1.5 |

*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.

Experiment Number: 97008-03

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Species/Strain: Rat/Fischer 344

Time Report Requested: 18:46:41

First Dose M/F: NA / NA

Lab: NA

MALE

| Treatment Groups | Cholinesterase IU PER L | Creatine Kinase IU per L | Creatinine U per L | Globulin g per dL | Protein Total g per dL | SDH IU per L |
|------------------|----------------------------|-----------------------------|-----------------------|----------------------|---------------------------|-----------------|
|------------------|----------------------------|-----------------------------|-----------------------|----------------------|---------------------------|-----------------|

Day 93

| | | | | | | |
|---------------|-----------------------|---------------|-----------|-----------|-----------|-------------|
| 0 ppm | 1031.1 ± 102.6 | 198.3 ± 95.6 | 0.9 ± 0.1 | 2.6 ± 0.4 | 6.4 ± 0.4 | 17.1 ± 6.4 |
| 4 ppm | 1025.2 ± 188.2 | 256 ± 115 | 0.9 ± 0.1 | 2.6 ± 0.3 | 6.4 ± 0.3 | 20.1 ± 11.7 |
| 8 ppm | 997.1 ± 111.7 | 197.4 ± 101.8 | 0.9 ± 0.1 | 2.5 ± 0.4 | 6.4 ± 0.4 | 18.1 ± 8.1 |
| 16 ppm | 1017.4 ± 135.1 | 197.2 ± 115.6 | 0.9 ± 0.1 | 2.6 ± 0.4 | 6.4 ± 0.3 | 18.2 ± 8.8 |
| 32 ppm | 888 ± 86** | 203.7 ± 103.5 | 0.9 ± 0.1 | 2.6 ± 0.3 | 6.4 ± 0.3 | 15.8 ± 5.8 |
| 64 ppm | 808.6 ± 86.5** | 221.8 ± 103.4 | 0.8 ± 0.1 | 2.7 ± 0.3 | 6.6 ± 0.3 | 16.9 ± 6.2 |

*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.

Experiment Number: 97008-03

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 18:46:41

First Dose M/F: NA / NA

Lab: NA

FEMALE

| Treatment Groups | Albumin g per dL | Albumin Globulin Ratio | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g | BUN mg per dL |
|------------------|------------------|------------------------|--------------|--------------|------------------------------------|---------------|
|------------------|------------------|------------------------|--------------|--------------|------------------------------------|---------------|

Day 93

| | | | | | | |
|---------------|-----------|-----------|--------------|---------------------|------------|------------|
| 0 ppm | 4.2 ± 0.4 | 1.8 ± 0.3 | 293.8 ± 60.1 | 46.9 ± 17.9 | 23.3 ± 4.4 | 13 ± 2.2 |
| 4 ppm | 4.2 ± 0.4 | 1.8 ± 0.3 | 311.8 ± 82.8 | 47.5 ± 14.7 | 24.4 ± 8.5 | 12.5 ± 2.7 |
| 8 ppm | 4.1 ± 0.2 | 1.7 ± 0.3 | 297.1 ± 61.7 | 44.9 ± 14.8 | 24.1 ± 5.5 | 13.3 ± 1.7 |
| 16 ppm | 4.1 ± 0.3 | 1.7 ± 0.2 | 280.8 ± 63.7 | 49.8 ± 19.7 | 23.6 ± 6.3 | 13.7 ± 2.2 |
| 32 ppm | 4.1 ± 0.3 | 1.7 ± 0.4 | 303.6 ± 65.9 | 41.9 ± 12.9 | 21.6 ± 4.2 | 13.4 ± 2.2 |
| 64 ppm | 4 ± 0.3 | 1.7 ± 0.3 | 296.4 ± 72.5 | 32.8 ± 4.8** | 23.3 ± 5.9 | 13.7 ± 1.8 |

*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 | Cholinesterase IU PER L | Creatine Kinase IU per L | Creatinine U per L | Globulin g per dL | Protein Total g per dL | SDH IU per L |
|------------------|----------------------------|-----------------------------|-----------------------|----------------------|---------------------------|-----------------|
|------------------|----------------------------|-----------------------------|-----------------------|----------------------|---------------------------|-----------------|

Day 93

| | | | | | | |
|---------------|------------------------------------|---------------|-----------|-----------|-----------|------------|
| 0 ppm | 6126.6 ± 1823.2 | 190.1 ± 90.3 | 0.9 ± 0.1 | 2.5 ± 0.3 | 6.7 ± 0.6 | 15.4 ± 4.4 |
| 4 ppm | 5737.9 ± 2008.8 | 193.2 ± 102.4 | 0.9 ± 0.1 | 2.5 ± 0.4 | 6.7 ± 0.7 | 14.8 ± 3.4 |
| 8 ppm | 5649.9 ± 1589.1 | 214.5 ± 160.2 | 0.9 ± 0.1 | 2.4 ± 0.3 | 6.5 ± 0.5 | 14.4 ± 3.4 |
| 16 ppm | 5382.2 ± 1649.2 | 174.9 ± 58.7 | 0.9 ± 0.1 | 2.4 ± 0.4 | 6.5 ± 0.5 | 15.5 ± 3.9 |
| 32 ppm | 4665.1 ± 1818.4** | 261.8 ± 256.8 | 0.9 ± 0.1 | 2.4 ± 0.4 | 6.6 ± 0.5 | 14.7 ± 4.7 |
| 64 ppm | 3177.2 ± 891.5** | 222.7 ± 116.4 | 0.9 ± 0.1 | 2.4 ± 0.3 | 6.4 ± 0.5 | 13.4 ± 2 |

** END OF REPORT **

*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.