

Experiment Number: 05207-03

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 00:44:26

First Dose M/F: NA / NA

Lab: NA

C Number: C62248

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	Albumin g per dL	Albumin Globulin Ratio	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g	Bilirubin Direct mg per dL
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Day 91

0 ppm	3.8 ± 0.3	1.4 ± 0.1	482.9 ± 177.2	49.9 ± 17	18.2 ± 2.6	0.1 ± 0.1
1.1 ppm	3.9 ± 0.2	1.4 ± 0.2	465.1 ± 138.6	45.2 ± 14.1	20.4 ± 4.8	0.1 ± 0.1
2.3 ppm	3.9 ± 0.3	1.4 ± 0.1	448.8 ± 156.2	48.4 ± 14.4	21.3 ± 2.6	0.1 ± 0.1
4.5 ppm	4 ± 0.2	1.4 ± 0.2	404.7 ± 118.7	43.5 ± 13.6	20.7 ± 4.8	0.1 ± 0.1
9 ppm	4.1 ± 0.3**	1.4 ± 0.2	388.3 ± 106	43.7 ± 7.6	22.1 ± 5.8	0.1 ± 0.1
18 ppm	4 ± 0.4*	1.4 ± 0.2	494.6 ± 269.6	82.4 ± 73.8	27.8 ± 20.4	0.1 ± 0.1

*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	Bilirubin Total mg per dL	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Globulin g per dL	Protein Total g per dL
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Day 91

0 ppm	0.2 ± 0.1	16.9 ± 3.6	228.7 ± 133.2	0.6 ± 0.1	2.7 ± 0.3	6.5 ± 0.5
1.1 ppm	0.2 ± 0.1	17.1 ± 3.8	177.7 ± 70.5	0.6 ± 0.1	2.8 ± 0.4	6.6 ± 0.6
2.3 ppm	0.2 ± 0.1	17.2 ± 3.6	219.2 ± 164	0.6 ± 0.1	2.8 ± 0.3	6.7 ± 0.5
4.5 ppm	0.2 ± 0.1	16.4 ± 3.3	242.9 ± 140.3	0.6 ± 0.1	2.8 ± 0.3	6.8 ± 0.5
9 ppm	0.2 ± 0.1	17.1 ± 2.6	224.5 ± 166.7	0.6 ± 0.1	2.9 ± 0.3	7 ± 0.4**
18 ppm	0.4 ± 0.2**	18 ± 3	221.1 ± 121.8	0.6 ± 0.1	2.8 ± 0.5	6.8 ± 0.9*

*p < 0.05

**p < 0.01

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MALE

Treatment Groups	SDH IU per L
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Day 91

0 ppm	15.1 ± 7.5
1.1 ppm	14.4 ± 6.8
2.3 ppm	15.6 ± 7.8
4.5 ppm	15.4 ± 8
9 ppm	17.8 ± 4.4
18 ppm	26.1 ± 11.8**

*p < 0.05

**p < 0.01

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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	Bilirubin Direct mg per dL
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Day 91

0 ppm	4.1 ± 0.4	1.6 ± 0.2	392.8 ± 101.8	45.5 ± 14.7	20.3 ± 7.3	0.1 ± 0.1
1.1 ppm	4.2 ± 0.4	1.6 ± 0.1	372.5 ± 82.8	41.5 ± 10.2	16.8 ± 6.1	0.1 ± 0.1
2.3 ppm	4.1 ± 0.4	1.6 ± 0.2	369.1 ± 85.7	47.1 ± 13.6	19.5 ± 8.5	0.1 ± 0.1
4.5 ppm	4.2 ± 0.4	1.6 ± 0.1	344.1 ± 89.5	44.5 ± 13.7	18.9 ± 6.5	0.1 ± 0.1
9 ppm	4.4 ± 0.5	1.7 ± 0.2	328.7 ± 66.7*	40.5 ± 8.3	18.1 ± 4.3	0.1 ± 0.1
18 ppm	4.3 ± 0.6	1.7 ± 0.3	399.6 ± 318.9*	59.1 ± 53.4	22.2 ± 10.4	0.1 ± 0.1

*p < 0.05

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FEMALE

Treatment Groups	Bilirubin Total mg per dL	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Globulin g per dL	Protein Total g per dL
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Day 91

0 ppm	0.2 ± 0.1	18.8 ± 3.6	206.1 ± 147.2	0.6 ± 0.1	2.6 ± 0.4	6.7 ± 0.7
1.1 ppm	0.2 ± 0	18.1 ± 2.8	195.3 ± 132.1	0.6 ± 0.1	2.6 ± 0.2	6.8 ± 0.6
2.3 ppm	0.2 ± 0	18.1 ± 2.7	203.8 ± 120.2	0.6 ± 0.1	2.6 ± 0.3	6.8 ± 0.6
4.5 ppm	0.2 ± 0	18.6 ± 2.8	181.6 ± 98.1	0.5 ± 0.1	2.7 ± 0.3	6.9 ± 0.7
9 ppm	0.2 ± 0.1	18.4 ± 2.2	169.3 ± 101.1	0.6 ± 0	2.7 ± 0.3	7.1 ± 0.7
18 ppm	0.3 ± 0.1	17.9 ± 2.8	209.1 ± 117.9	0.6 ± 0.1	2.6 ± 0.5	7 ± 0.9

*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.

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FEMALE

Treatment Groups	SDH IU per L
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Day 91

0 ppm	15 ± 4.9
1.1 ppm	15.2 ± 4.2
2.3 ppm	17.6 ± 6.5
4.5 ppm	16.4 ± 6.5
9 ppm	19.1 ± 5.6*
18 ppm	24.5 ± 5.2**

**** END OF REPORT ****

*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.