

**Experiment Number:** 05213-03

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

**P41: Terminal Sacrifice Clinical Chemistry Data**

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

**Time Report Requested:** 18:29:55

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

**Lab:** NA

**C Number:** C02551

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

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P41: Terminal Sacrifice Clinical Chemistry Data

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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	BUN mg per dL
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**Day 91**

<b>0 mg/m3</b>	4.8 ± 0.2	2.4 ± 0.3	447.1 ± 85.3	46.9 ± 14.1	19.1 ± 4.7	17.5 ± 3.9
<b>0.25 mg/m3</b>	4.8 ± 0.3	2.6 ± 0.6	442.3 ± 63.4	43.9 ± 12.5	18.2 ± 3.1	17.6 ± 4.5
<b>0.05 mg/m3</b>	4.6 ± 0.3	2.4 ± 0.4	430.4 ± 75.5	45.7 ± 14.5	16.4 ± 2.5	16.9 ± 3.3
<b>0.1 mg/m3</b>	4.7 ± 0.2	2.5 ± 0.4	420.4 ± 59.9	48 ± 24.8	16.9 ± 3	17.1 ± 4.1
<b>0.25 mg/m3</b>	4.8 ± 0.3	2.6 ± 0.6	442.3 ± 63.4	43.9 ± 12.5	18.2 ± 3.1	17.6 ± 4.5
<b>1 mg/m3</b>	4.7 ± 0.3	2.8 ± 0.8	436.8 ± 56.8	46.2 ± 12.1	20.4 ± 4.8	17.2 ± 3.5

\*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.

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**MALE**

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Treatment Groups	Creatine Kinase IU per L	Creatinine U per L	Globulin g per dL	Iron ug per dL	Iron Binding Capacity Total ug per dL	Iron Unbound Binding Capacity ug per dL
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**Day 91**

<b>0 mg/m3</b>	187.6 ± 105.2	0.7 ± 0.1	2 ± 0.3	162.3 ± 8.8	649.2 ± 22.9	486.9 ± 25.8
<b>0.25 mg/m3</b>	180.8 ± 91.7	0.7 ± 0.1	1.9 ± 0.4	170.5 ± 18.2	672.5 ± 18.2	502 ± 22
<b>0.05 mg/m3</b>	170.8 ± 82.3	0.7 ± 0.1	2 ± 0.3	6.6 ± 0.4	19.4 ± 4.2	
<b>0.1 mg/m3</b>	209.3 ± 208	0.7 ± 0.1	1.9 ± 0.3	163.2 ± 16.7	653.1 ± 20	489.9 ± 9.9
<b>0.25 mg/m3</b>	180.8 ± 91.7	0.7 ± 0.1	1.9 ± 0.4	170.5 ± 18.2	672.5 ± 18.2	502 ± 22
<b>1 mg/m3</b>	189.5 ± 88.7	0.7 ± 0.1	1.8 ± 0.5	180.4 ± 20.6	673.9 ± 30.3	493.5 ± 29

\*p < 0.05

\*\*p < 0.01

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**MALE**

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Treatment Groups	Protein Total g per dL	SDH IU per L
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**Day 91**

<b>0 mg/m3</b>	6.8 ± 0.4	18.8 ± 4.8
<b>0.25 mg/m3</b>	6.7 ± 0.6	19 ± 5.2
<b>0.05 mg/m3</b>		
<b>0.1 mg/m3</b>	6.6 ± 0.3	19.6 ± 9.4
<b>0.25 mg/m3</b>	6.7 ± 0.6	19 ± 5.2
<b>1 mg/m3</b>	6.6 ± 0.4	18.4 ± 4.4

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**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
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**Day 91**

<b>0 mg/m3</b>	4.6 ± 0.3	2.3 ± 0.2	391.4 ± 49	39.2 ± 9.8	14.2 ± 5.1	19.1 ± 4.6
<b>0.25 mg/m3</b>	4.6 ± 0.3	2.4 ± 0.3	397.6 ± 45.7	40.6 ± 13.1	19.7 ± 12.6	18.5 ± 4.5
<b>0.05 mg/m3</b>	4.7 ± 0.3	2.5 ± 0.3	406.6 ± 71.7	37.1 ± 7.6	20.3 ± 6.7	18.9 ± 4.1
<b>0.1 mg/m3</b>	4.6 ± 0.4	2.5 ± 0.5	404.3 ± 58.5	38.8 ± 12.9	14 ± 4.4	18.8 ± 4.8
<b>0.25 mg/m3</b>	4.6 ± 0.3	2.4 ± 0.3	397.6 ± 45.7	40.6 ± 13.1	19.7 ± 12.6	18.5 ± 4.5
<b>1 mg/m3</b>	4.5 ± 0.3	2.4 ± 0.3	377.6 ± 36.9	41.2 ± 10.2	<b>19.1 ± 6.5*</b>	17.5 ± 4.2

\*p < 0.05

\*\*p < 0.01

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**FEMALE**

Treatment Groups	Creatine Kinase IU per L	Creatinine U per L	Globulin g per dL	Iron ug per dL	Iron Binding Capacity Total ug per dL	Iron Unbound Binding Capacity ug per dL
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**Day 91**

<b>0 mg/m3</b>	195.2 ± 103.7	0.7 ± 0.1	2.1 ± 0.2	283.3 ± 32.1	573.1 ± 25.6	289.8 ± 49.6
<b>0.25 mg/m3</b>	183.1 ± 83.9	<b>0.7 ± 0.1*</b>	1.9 ± 0.2	251.5 ± 28.8	583.3 ± 28.3	331.8 ± 29.9
<b>0.05 mg/m3</b>	187.9 ± 128.8	0.7 ± 0.1	1.9 ± 0.2	6.5 ± 0.5	18.6 ± 4.2	
<b>0.1 mg/m3</b>	178.4 ± 83	0.7 ± 0.1	1.9 ± 0.4	236.2 ± 43.2	575.9 ± 42.6	339.7 ± 18.8
<b>0.25 mg/m3</b>	183.1 ± 83.9	<b>0.7 ± 0.1*</b>	1.9 ± 0.2	251.5 ± 28.8	583.3 ± 28.3	331.8 ± 29.9
<b>1 mg/m3</b>	224 ± 108.4	<b>0.7 ± 0.1**</b>	1.9 ± 0.3	<b>237.1 ± 34.2*</b>	598 ± 31.1	<b>360.9 ± 30.2**</b>

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\*\*p < 0.01

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**FEMALE**

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Treatment Groups	Protein Total g per dL	SDH IU per L
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**Day 91**

<b>0 mg/m3</b>	6.7 ± 0.4	19.4 ± 3.9
<b>0.25 mg/m3</b>	6.5 ± 0.4	19.9 ± 3.2
<b>0.05 mg/m3</b>		
<b>0.1 mg/m3</b>	6.5 ± 0.6	20.1 ± 4.9
<b>0.25 mg/m3</b>	6.5 ± 0.4	19.9 ± 3.2
<b>1 mg/m3</b>	6.4 ± 0.4	20.6 ± 2.6

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

\*p < 0.05

\*\*p < 0.01

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