

Experiment Number: 05180-04

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 11:22:05

First Dose M/F: NA / NA

Lab: NA

C Number: C62033

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	ALT IU per L	BUN mg per dL	Creatine Kinase IU per L	Creatinine U per L	Iron ug per dL	Iron Binding Capacity Total ug per dL
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Day 91

0 mg/m3	51.1 ± 20.1	17.6 ± 3.5	271.9 ± 88	0.6 ± 0.1	198.6 ± 42.2	602.6 ± 33
0.1 mg/m3	55 ± 20.4	17.3 ± 3.3	261.1 ± 148.6	0.6 ± 0.1	1.9 ± 1	4.3 ± 1
1 mg/m3	52.9 ± 17.4	17.1 ± 3.7	372.6 ± 280.6	0.6 ± 0.1	1.9 ± 1.1	4 ± 1.5
10 mg/m3	52.6 ± 18.8	18.4 ± 3.5	235.8 ± 100.9	0.6 ± 0.1	147 ± 39.7**	604.1 ± 29.4
37 mg/m3	80.2 ± 59	18.6 ± 4.2	274.3 ± 168.4	0.6 ± 0.1	126.3 ± 23.7**	599.5 ± 27
75 mg/m3	98.8 ± 73.4	18.9 ± 3.6	238.2 ± 148.5	0.6 ± 0.1*	124.7 ± 25.1**	602.3 ± 21.4

*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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Treatment Groups	Iron Unbound Binding Capacity ug per dL	SDH IU per L	Thyroid Stimulating Hormone ng per dL	Thyroxine ug per dL	Thyroxine Free ng per dL	Triiodothyronine ng per dL
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Day 91

0 mg/m3	404.1 ± 66.3	16.2 ± 12	1.4 ± 0.4	4.6 ± 1.5	2.9 ± 0.6	136.2 ± 35.4
0.1 mg/m3	2.9 ± 0.6	147.6 ± 41.3				
1 mg/m3	2.8 ± 0.7	118.1 ± 52.5				
10 mg/m3	457.1 ± 37.2**	15.9 ± 7.3	1.8 ± 1	3.8 ± 0.9	2.8 ± 0.5	120.1 ± 29.8
37 mg/m3	473.2 ± 19.9**	23.5 ± 19.1	1.6 ± 1	3.7 ± 1.1	2.7 ± 0.6	115.9 ± 39.7
75 mg/m3	477.6 ± 25.8**	23.9 ± 17.5	2.3 ± 1.4	3.8 ± 0.8	2.8 ± 0.4	124.4 ± 31.7

*p < 0.05

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Day 91

0 mg/m3	43.1 ± 7.4	16.5 ± 3.3	239.5 ± 111.7	0.6 ± 0.1	247.6 ± 50	557 ± 28.9
0.1 mg/m3	39.9 ± 10.3	18.3 ± 4	253.6 ± 141.5	0.6 ± 0.1	1.5 ± 0.5	4.7 ± 1.6
1 mg/m3	43.8 ± 11.4	19.2 ± 4.1	254.4 ± 171.2	0.6 ± 0.1	1.1 ± 0.3	3.6 ± 1
10 mg/m3	40.5 ± 13.4	19.6 ± 4	279.1 ± 151.9	0.6 ± 0.1	230.7 ± 58.8	539.4 ± 43.5
37 mg/m3	41.7 ± 13.5	18.9 ± 3.6	317.5 ± 377.4	0.6 ± 0.1	224.8 ± 50.3	531.5 ± 23.7*
75 mg/m3	46.3 ± 19.8	19 ± 3.1	249.3 ± 232.8	0.6 ± 0	192.2 ± 37**	487.1 ± 65**

*p < 0.05

**p < 0.01

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Day 91

0 mg/m3	314.6 ± 40.7	12.8 ± 4.3	1 ± 0.3	4.1 ± 1	2.1 ± 0.5	119.7 ± 28.7
0.1 mg/m3	2.3 ± 0.3	128.3 ± 18.9				
1 mg/m3	2.1 ± 0.5	118.1 ± 27.4				
10 mg/m3	308.6 ± 58.1	14.2 ± 6.4	1.2 ± 0.6	4.1 ± 0.9	2.4 ± 0.3	117.8 ± 15.7
37 mg/m3	306.8 ± 44.8	14.1 ± 5.5	1.1 ± 0.7	4.3 ± 1	2.4 ± 0.4	120.4 ± 25.4
75 mg/m3	306.1 ± 30.9	15.7 ± 6.5	1.2 ± 0.5	3.9 ± 1	2.1 ± 0.5	119 ± 13.5

**** END OF REPORT ****

*p < 0.05

**p < 0.01

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