

**Experiment Number:** 99020-99

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

**P41: Terminal Sacrifice Clinical Chemistry Data**

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

**Time Report Requested:** 17:11:50

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

**Lab:** NA

**C Number:** C99020

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

Experiment Number: 99020-99

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:11:50

First Dose M/F: NA / NA

Lab: NA

## MALE

Treatment Groups	5 Prime Nucleotidase IU per L	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g	BUN mg per dL
------------------	-------------------------------	------------------	--------------	--------------	------------------------------------	---------------

## Day 18

<b>0 mg/kg</b>	41.4 ± 3	3.9 ± 0.1	691.4 ± 94.2	54.5 ± 6.9	34.8 ± 11.8	8.6 ± 1.5
<b>9.375 mg/kg</b>	40.9 ± 3.6	3.9 ± 0.2	710.4 ± 112.1	58.1 ± 6.9	31.9 ± 10.3	8.7 ± 1.8
<b>18.75 mg/kg</b>	42.9 ± 6.3	3.9 ± 0.3	735 ± 98.8	<b>59 ± 7.3*</b>	38.5 ± 12.3	8.2 ± 1.5
<b>37.5 mg/kg</b>	40.7 ± 3.8	3.9 ± 0.2	738.9 ± 79.4	<b>60 ± 7.5*</b>	43.2 ± 13.4	8.5 ± 1.4
<b>75 mg/kg</b>	39.2 ± 2.7	3.9 ± 0.2	<b>806.5 ± 118**</b>	<b>66.7 ± 9.9**</b>	39.6 ± 16.1	7.8 ± 1.3
<b>150 mg/kg</b>	43.1 ± 3.6	3.8 ± 0.4	<b>977.2 ± 198.1**</b>	<b>78.8 ± 6.6**</b>	<b>167.1 ± 136.6**</b>	7.9 ± 1.7

\*p &lt; 0.05

\*\*p &lt; 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.

## MALE

Treatment Groups	Creatine mg per dL	Creatine Kinase IU per L	GGT U PER L	Glutathione Oxidized Per G Tissue umol per g	Glutathione Reduced Per G Tissue umol per g	Protein Total g per dL
------------------	--------------------	--------------------------	-------------	----------------------------------------------	---------------------------------------------	------------------------

## Day 18

<b>0 mg/kg</b>	0.5 ± 0.2	242.8 ± 125.3	1.6 ± 1.7	2 ± 0.9	3.5 ± 0.5	5.6 ± 0.2
<b>9.375 mg/kg</b>	0.5 ± 0.2	259.6 ± 152.6	1.5 ± 1.8	2.1 ± 0.7	4 ± 0.7	5.6 ± 0.3
<b>18.75 mg/kg</b>	0.5 ± 0.2	277.2 ± 137.8	2 ± 1.8	1.9 ± 0.4	3.7 ± 0.7	5.6 ± 0.3
<b>37.5 mg/kg</b>	0.5 ± 0.2	305.6 ± 189.7	1.9 ± 1.6	1.9 ± 0.3	3.7 ± 0.7	5.6 ± 0.2
<b>75 mg/kg</b>	0.5 ± 0.1	343.8 ± 193.8	1.8 ± 1.6	2.1 ± 0.6	<b>4.1 ± 0.8*</b>	5.6 ± 0.2
<b>150 mg/kg</b>	0.5 ± 0.2	246.2 ± 85.1	<b>5.8 ± 3**</b>	<b>2.6 ± 1.1*</b>	<b>5.8 ± 1.2**</b>	5.4 ± 0.6

\*p &lt; 0.05

\*\*p &lt; 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: 99020-99

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:11:50

First Dose M/F: NA / NA

Lab: NA

---

**MALE**

---

Treatment Groups	SDH IU per L
------------------	--------------

**Day 18**

<b>0 mg/kg</b>	11.7 ± 2.1
<b>9.375 mg/kg</b>	12.1 ± 2.7
<b>18.75 mg/kg</b>	11.4 ± 1.6
<b>37.5 mg/kg</b>	10.9 ± 2
<b>75 mg/kg</b>	12.6 ± 2.8
<b>150 mg/kg</b>	<b>15.2 ± 3.2**</b>

\*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	5 Prime Nucleotidase IU per L	Albumin g per dL	ALP IU per L	ALT IU per L	Bile Acids Per G Tissue umol per g	BUN mg per dL
<b>Day 18</b>						
<b>0 mg/kg</b>	50.2 ± 7.5	4.2 ± 0.2	497.1 ± 83.8	43.2 ± 5.4	27 ± 8.6	8.8 ± 2.1
<b>9.375 mg/kg</b>	50 ± 10.9	4.2 ± 0.2	508.4 ± 82	45.9 ± 6.4	27.1 ± 10.1	9.7 ± 1.6
<b>18.75 mg/kg</b>	50 ± 7.3	4.2 ± 0.2	514.6 ± 97.4	44 ± 4.4	31.9 ± 10.6	8.8 ± 1.7
<b>37.5 mg/kg</b>	46.4 ± 7.7	4.2 ± 0.2	518.3 ± 90.6	<b>48.4 ± 7.2*</b>	32.6 ± 10.4	8.9 ± 1.5
<b>75 mg/kg</b>	<b>42.5 ± 5.9**</b>	4.2 ± 0.3	<b>554.1 ± 99.2*</b>	<b>51.1 ± 8.3**</b>	35.1 ± 17.9	8.8 ± 2
<b>150 mg/kg</b>	<b>41.9 ± 5.4**</b>	4.3 ± 0.4	<b>746.6 ± 139.9**</b>	<b>72.3 ± 11.1**</b>	<b>57.1 ± 30.2**</b>	7.8 ± 1.8

\*p &lt; 0.05

\*\*p &lt; 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	Creatine mg per dL	Creatine Kinase IU per L	GGT U PER L	Glutathione Oxidized Per G Tissue umol per g	Glutathione Reduced Per G Tissue umol per g	Protein Total g per dL
------------------	--------------------	--------------------------	-------------	----------------------------------------------	---------------------------------------------	------------------------

## Day 18

<b>0 mg/kg</b>	0.5 ± 0.1	241.3 ± 141	0.3 ± 0.5	2.2 ± 0.9	4.4 ± 0.7	5.9 ± 0.3
<b>9.375 mg/kg</b>	0.5 ± 0.2	242.4 ± 128.8	0.3 ± 0.5	2.2 ± 0.8	4.3 ± 0.8	5.9 ± 0.3
<b>18.75 mg/kg</b>	0.5 ± 0.2	241.1 ± 125.2	0.3 ± 0.5	2.2 ± 0.7	4.4 ± 0.7	5.9 ± 0.3
<b>37.5 mg/kg</b>	0.5 ± 0.1	230.5 ± 101.9	0.6 ± 0.7	2.2 ± 0.6	4.8 ± 1.1	5.8 ± 0.3
<b>75 mg/kg</b>	0.5 ± 0.1	248.2 ± 110.4	0.5 ± 0.5	2.3 ± 0.6	<b>5.3 ± 0.9**</b>	5.9 ± 0.4
<b>150 mg/kg</b>	0.4 ± 0.1	256 ± 124.7	<b>1.8 ± 0.9**</b>	3.9 ± 6.9	<b>7.3 ± 2.9**</b>	5.9 ± 0.7

\*p &lt; 0.05

\*\*p &lt; 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: 99020-99

Species/Strain: Rat/Fischer 344

P41: Terminal Sacrifice Clinical Chemistry Data

Date Report Requested: 10/24/2014

Time Report Requested: 17:11:50

First Dose M/F: NA / NA

Lab: NA

---

**FEMALE**

---

Treatment Groups	SDH IU per L
------------------	--------------

**Day 18**

<b>0 mg/kg</b>	10.7 ± 1.2
<b>9.375 mg/kg</b>	11.4 ± 2.7
<b>18.75 mg/kg</b>	10.8 ± 1.2
<b>37.5 mg/kg</b>	10.4 ± 1.4
<b>75 mg/kg</b>	10.9 ± 1.5
<b>150 mg/kg</b>	<b>13.2 ± 1.3**</b>

**\*\* 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.