

Experiment Number: C14011-01
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

Clinical Chemistry Summary
Test Compound: Propylene Glycol Phenyl Ether

Date Report Requested: 06/03/2015
Time Report Requested: 12.00.00
Lab: Battelle

C Number:	C14011-01
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Male

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F0 Males						
	Treatment Groups (mg/kg)					
	0	1	10	100	500	1000
Urea Nitrogen (mg/dL)	12.8 ± 1 (8)	12.8 ± 0.9 (6)	11.8 ± 0.5 (6)	13.3 ± 0.8 (6)	12.2 ± 0.7 (6)	12 ± 1.2 (4)
Percent of Control		101	93	105	95	94
Creatinine (mg/dL)	0.51 ± 0.01 (8)	0.53 ± 0.02 (6)	0.5 ± 0 (6)	0.55 ± 0.03 (6)	0.5 ± 0 (6)	0.5 ± 0 (4)
Percent of Control		104	98	107	98	98
Serum Glucose (mg/dL)	181.3 ± 4.3 (8)	177 ± 7.8 (6)	185.2 ± 10.1 (6)	212.8 ± 9.9 (6)	192 ± 6 (6)	189.8 ± 10.1 (4)
Percent of Control		98	102	117	106	105
Sodium (meq/L)	149.9 ± 0.9 (8)	152 ± 0.7 (6)	149.3 ± 0.8 (6)	150 ± 0.9 (6)	149 ± 0.8 (6)	151 ± 0.6 (4)
Percent of Control		101	100	100	99	101
Potassium (meq/L)	6.44 ± 0.18 (8)	6.58 ± 0.21 (6)	7.05 ± 0.1 (6)*	6.52 ± 0.25 (6)	6.67 ± 0.2 (6)	6.48 ± 0.14 (4)
Percent of Control		102	110	101	104	101
Chloride (meq/L)	99.5 ± 0.3 (8)	101.5 ± 0.4 (6)	100 ± 0.7 (6)	100.8 ± 0.6 (6)	99 ± 0.6 (6)	101.5 ± 0.6 (4)
Percent of Control		102	101	101	99	102
Total Protein (g/dL)	5.88 ± 0.08 (8)	5.83 ± 0.11 (6)	5.65 ± 0.05 (6)	5.62 ± 0.13 (6)	5.78 ± 0.11 (6)	5.88 ± 0.14 (4)
Percent of Control		99	96	96	98	100
Albumin (g/dL)	4.25 ± 0.05 (8)	4.25 ± 0.06 (6)	4.08 ± 0.03 (6)	4.15 ± 0.09 (6)	4.22 ± 0.07 (6)	4.3 ± 0.08 (4)
Percent of Control		100	96	98	99	101
Direct Bilirubin (mg/dL)	0.034 ± 0.002 (8)*	0.032 ± 0.003 (6)	0.035 ± 0.002 (6)	0.033 ± 0.002 (6)	0.037 ± 0.003 (6)	0.048 ± 0.005 (4)
Percent of Control		94	104	99	109	141
Total Bilirubin (mg/dL)	0.031 ± 0.005 (8)	0.04 ± 0.005 (6)	0.04 ± 0.004 (6)	0.03 ± 0.004 (6)	0.035 ± 0.004 (6)	0.043 ± 0.008 (4)
Percent of Control		128	128	96	112	136

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F0 Males						
	Treatment Groups (mg/kg)					
	0	1	10	100	500	1000
Cholesterol (mg/dL)	124.1 ± 5.5 (8)	113 ± 7.5 (6)	127.5 ± 5.3 (6)	113.8 ± 4.7 (6)	122.7 ± 5.9 (6)	117.5 ± 8.6 (4)
Percent of Control		91	103	92	99	95
Triglyceride (mg/dL)	67.3 ± 5.6 (8)	81.7 ± 5.9 (6)	99 ± 13.6 (6)	77.7 ± 10 (6)	76 ± 7.2 (6)	74.3 ± 10 (4)
Percent of Control		121	147	115	113	110
Alanine Aminotransferase (IU/L)	60.5 ± 3.2 (8)**	59.83 ± 2.33 (6)	65.83 ± 3.82 (6)	62.17 ± 1.58 (6)	78 ± 5.42 (6)**	100 ± 2.35 (4)**
Percent of Control		99	109	103	129	165
Alkaline Phosphatase (IU/L)	371.1 ± 15.6 (8)	341.7 ± 10.1 (6)	378.3 ± 10.6 (6)	352.7 ± 10.8 (6)	330.7 ± 16.1 (6)	378.8 ± 18.6 (4)
Percent of Control		92	102	95	89	102
Creatine Kinase (U/L)	174.5 ± 14.2 (8)	183.3 ± 9.8 (6)	181.2 ± 12.6 (6)	181.7 ± 32.7 (6)	169.8 ± 10.5 (6)	168.3 ± 10.5 (4)
Percent of Control		105	104	104	97	96
Sorbitol Dehydrogenase (IU/L)	12 ± 1.8 (8)	14.2 ± 2.1 (6)	14.2 ± 1 (6)	12.2 ± 1.7 (6)	12.8 ± 1.3 (6)	13.5 ± 2 (4)
Percent of Control		119	119	101	106	113
Bile Acids (umol/L)	34.3 ± 3.8 (8)*	34.7 ± 2.4 (6)	49.3 ± 6.7 (6)	36.3 ± 5.6 (6)	45.5 ± 4 (6)	59.5 ± 15.1 (4)
Percent of Control		101	144	106	133	174

Values given as mean ± SEM (N) with Percent of Control calculated by (dosed group mean / control group mean) x 100

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests

Statistical significance for the control group indicates a significant trend test

*Statistically significant at P<0.05; **Statistically significant at P<0.01