

Experiment Number: R14001B
Test Type: TERATOLOGY
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

Clinical Chemistry Summary
Test Compound: 4-Methylcyclohexanemethanol

Date Report Requested: 06/03/2015
Time Report Requested: 12.00.00
Lab: Southern Research

C Number:	R14001B
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Female

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F0 Females					
	Treatment Groups (mg/kg)				
	0	50	100	200	400
Urea Nitrogen (mg/dL)	17.9 ± 0.6 (23)**	17.7 ± 0.5 (21)	17.5 ± 0.5 (22)	18.7 ± 1 (19)	20.8 ± 0.6 (21)**
Percent of Control		99	98	105	116
Creatinine (mg/dL)	0.4 ± 0.01 (23)	0.4 ± 0.01 (21)	0.4 ± 0.01 (22)	0.4 ± 0.01 (19)	0.39 ± 0.01 (21)
Percent of Control		99	98	99	95
Serum Glucose (mg/dL)	181.2 ± 10.3 (23)**	153.9 ± 7.4 (21)	176 ± 11.1 (22)	150.6 ± 10.6 (19)*	141.3 ± 9.3 (21)**
Percent of Control		85	97	83	78
Calcium (mg/dL)	12.2 ± 0.2 (22)*	11.7 ± 0.2 (21)	11.8 ± 0.2 (22)	11.7 ± 0.2 (19)	11.4 ± 0.3 (20)*
Percent of Control		96	97	96	94
Phosphorus (mg/dL)	10.27 ± 0.37 (22)	9.58 ± 0.29 (21)	9.9 ± 0.32 (22)	9.55 ± 0.32 (19)	9.6 ± 0.49 (21)
Percent of Control		93	96	93	93
Total Protein (g/dL)	5.17 ± 0.11 (23)**	4.93 ± 0.1 (21)	4.84 ± 0.1 (22)*	4.91 ± 0.15 (19)*	4.74 ± 0.14 (21)**
Percent of Control		96	94	95	92
Globulin (g/dL)	2.096 ± 0.052 (23)**	2.005 ± 0.059 (21)	1.886 ± 0.041 (22)**	1.9 ± 0.039 (19)**	1.886 ± 0.064 (21)**
Percent of Control		96	90	91	90
A/G Ratio (g/dL)	1.482 ± 0.052 (23)	1.483 ± 0.054 (21)	1.579 ± 0.065 (22)	1.583 ± 0.045 (19)	1.55 ± 0.089 (21)
Percent of Control		100	107	107	105
Albumin (g/dL)	3.07 ± 0.09 (23)*	2.93 ± 0.07 (21)	2.95 ± 0.1 (22)	3.01 ± 0.12 (19)	2.85 ± 0.13 (21)
Percent of Control		95	96	98	93
Total Bilirubin (mg/dL)	<0.200 ± 0 (23)	<0.200 ± 0 (21)	<0.200 ± 0 (22)	<0.200 ± 0 (19)	<0.200 ± 0 (21)
Percent of Control		100	100	100	100

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F0 Females					
	Treatment Groups (mg/kg)				
	0	50	100	200	400
Direct Bilirubin (mg/dL)	<0.200 ± 0 (23)	<0.200 ± 0 (21)	<0.200 ± 0 (22)	<0.200 ± 0 (19)	<0.200 ± 0 (21)
Percent of Control		100	100	100	100
Cholesterol (mg/dL)	89.5 ± 2.1 (23)	95.7 ± 2.7 (21)	89.4 ± 2.4 (22)	96.6 ± 4.5 (19)	87.4 ± 3.1 (21)
Percent of Control		107	100	108	98
Triglyceride (mg/dL)	145.5 ± 21 (23)**	114.8 ± 18 (21)	94.6 ± 12.6 (22)	108.4 ± 14 (19)	194.6 ± 31.8 (21)*
Percent of Control		79	65	74	134
Alanine Aminotransferase (IU/L)	66.39 ± 2.50 (23)*	67.33 ± 3.12 (21)	68.45 ± 1.40 (22)	66.37 ± 1.98 (19)	77.19 ± 3.67 (21)
Percent of Control		101	103	100	116
Alkaline Phosphatase (IU/L)	138.4 ± 6.9 (23)	142 ± 4.7 (21)	131.7 ± 4.2 (22)	134.9 ± 5.4 (19)	157 ± 6.2 (21)*
Percent of Control		103	95	98	113
Aspartate Aminotransferase (IU/L)	90.35 ± 5.38 (23)	100.57 ± 14.24 (21)	93.14 ± 7.91 (22)	77.63 ± 5.13 (19)	121.14 ± 13.72 (21)
Percent of Control		111	103	86	134
Creatine Kinase (U/L)	233.3 ± 18.6 (23)	414.4 ± 186.5 (21)	239.1 ± 20.9 (22)	195 ± 15.4 (19)	268.9 ± 31.3 (21)
Percent of Control		178	102	84	115

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