

Study Number: C10866B
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

PA41: Clinical Chemistry Summary
Test Compound: Isopropylated Phenol Phosphate
CAS Number: 68937-41-7

Date Report Requested: 08/24/2021
Time Report Requested: 09:22:52
Lab: NTP

Study Number: C10866B
Study Gender: Male
PWG Approval Date: See web page for date of PWG Approval
Version: v1.3.0
Stat Version: v2.6.3A

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	Phase Day	Treatment Groups (mMol/kg)				
		0	0.169	0.338	0.675	1.35
Urea Nitrogen (mg/dL)	SD 4	9.6 ± 0.2 (5)	10.8 ± 1.2 (5)	11.8 ± 2.1 (5)	12.6 ± 0.7 (5) *	11.2 ± 0.7 (5)
Percent of Control			112.5	122.9	131.3	116.7
Creatinine (mg/dL)	SD 4	0.27 ± 0.01 (5) **	0.28 ± 0.00 (5)	0.28 ± 0.01 (5)	0.25 ± 0.01 (5) *	0.25 ± 0.00 (5) *
Percent of Control			101.5	102.2	91.2	92.0
Total Protein (g/dL)	SD 4	5.96 ± 0.12 (5)	6.10 ± 0.08 (5)	5.98 ± 0.11 (5)	6.00 ± 0.07 (5)	5.90 ± 0.11 (5)
Percent of Control			102.3	100.3	100.7	99.0
Globulin (g/dL)	SD 4	2.54 ± 0.07 (5) *	2.68 ± 0.05 (5)	2.68 ± 0.06 (5)	2.76 ± 0.05 (5)	2.72 ± 0.07 (5)
Percent of Control			105.5	105.5	108.7	107.1
A/G Ratio	SD 4	1.35 ± 0.01 (5) **	1.28 ± 0.03 (5)	1.23 ± 0.02 (5) *	1.18 ± 0.03 (5) **	1.17 ± 0.03 (5) **
Percent of Control			94.8	91.4	87.2	86.9
Albumin (g/dL)	SD 4	3.42 ± 0.06 (5) **	3.42 ± 0.06 (5)	3.30 ± 0.06 (5)	3.24 ± 0.05 (5)	3.18 ± 0.07 (5) *
Percent of Control			100.0	96.5	94.7	93.0
Cholesterol (mg/dL)	SD 4	113.2 ± 5.1 (5) **	140.6 ± 7.6 (5) *	131.6 ± 5.2 (5) *	134.0 ± 5.1 (5) *	149.0 ± 3.9 (5) **
Percent of Control			124.2	116.3	118.4	131.6
Triglyceride (mg/dL)	SD 4	52.2 ± 1.1 (5)	51.8 ± 11.8 (5)	61.4 ± 4.3 (5)	57.4 ± 6.0 (5)	59.2 ± 2.9 (5)
Percent of Control			99.2	117.6	110.0	113.4
LDL Cholesterol (mg/dL)	SD 4	23.2 ± 1.3 (5)	22.6 ± 1.1 (5)	25.4 ± 1.0 (5)	21.0 ± 1.4 (5)	22.6 ± 0.6 (5)
Percent of Control			97.4	109.5	90.5	97.4
HDL Cholesterol (mg/dL)	SD 4	52.0 ± 2.2 (5) **	66.8 ± 3.4 (5) *	59.0 ± 2.2 (5) *	66.0 ± 1.3 (5) **	71.2 ± 2.5 (5) **
Percent of Control			128.5	113.5	126.9	136.9
Alanine Aminotransferase (IU/L)	SD 4	59.6 ± 4.0 (5)	52.6 ± 3.8 (5)	57.6 ± 4.7 (5)	60.8 ± 3.5 (5)	60.6 ± 4.2 (5)
Percent of Control			88.3	96.6	102.0	101.7

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		0	0.169	0.338	0.675	1.35
Aspartate Aminotransferase (U/L) Percent of Control	SD 4	109.80 ± 5.58 (5)	79.80 ± 10.75 (5) 72.7	76.00 ± 15.80 (5) 69.2	81.00 ± 1.73 (5) 73.8	89.00 ± 8.01 (5) 81.1
Sorbitol Dehydrogenase (IU/L) Percent of Control	SD 4	15.0 ± 1.5 (5)	10.0 ± 0.6 (5) * 67.1	13.4 ± 2.0 (5) 89.8	11.3 ± 0.8 (5) 75.8	10.0 ± 1.2 (5) 67.1
Bile salt/acids (umol/L) Percent of Control	SD 4	34.9 ± 4.4 (5) *	33.5 ± 11.1 (5) 95.8	23.2 ± 2.2 (5) 66.3	26.4 ± 5.9 (5) 75.4	18.9 ± 4.1 (5) 54.0

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LEGEND

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

SD – Study Day

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

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****