

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

Hematology 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
Red Blood Cells (1,000,000/ μ l)	7.63 $\pm$ 0.11 (8)	7.71 $\pm$ 0.32 (5)	7.69 $\pm$ 0.12 (6)	7.75 $\pm$ 0.24 (3)	7.43 $\pm$ 0.09 (5)	7.77 $\pm$ 0.4 (3)
Percent of Control		101	101	102	97	102
Hemoglobin (g/dL)	14.7 $\pm$ 0.2 (8)	15.3 $\pm$ 0.5 (5)	14.8 $\pm$ 0.2 (6)	14.5 $\pm$ 0.3 (3)	14.6 $\pm$ 0.2 (5)	15.2 $\pm$ 0.9 (3)
Percent of Control		104	101	99	99	103
Hematocrit (Auto) (%)	50.5 $\pm$ 0.7 (8)	52.1 $\pm$ 1.7 (5)	51 $\pm$ 1 (6)	50.5 $\pm$ 1.3 (3)	49.8 $\pm$ 0.8 (5)	51.9 $\pm$ 3.6 (3)
Percent of Control		103	101	100	99	103
Manual Hematocrit (%)	48 $\pm$ 0.9 (8)	51 $\pm$ 1.36 (5)	51 $\pm$ 0.88 (6)	50 $\pm$ 1.7 (4)	51 $\pm$ 0.93 (5)	51 $\pm$ 1.15 (3)
Percent of Control		105	105	103	105	106
Mean Cell Volume (fL)	66.2 $\pm$ 0.2 (8)	67.6 $\pm$ 0.7 (5)	66.3 $\pm$ 0.5 (6)	65.2 $\pm$ 0.8 (3)	67 $\pm$ 0.7 (5)	66.7 $\pm$ 1.1 (3)
Percent of Control		102	100	99	101	101
Mean Cell Hemoglobin (pg)	19.3 $\pm$ 0.1 (8)	19.8 $\pm$ 0.3 (5)	19.3 $\pm$ 0.2 (6)	18.8 $\pm$ 0.4 (3)	19.7 $\pm$ 0.1 (5)	19.5 $\pm$ 0.3 (3)
Percent of Control		103	100	97	102	101
Mean Cell Hemoglobin Concentration (g/dL)	29.1 $\pm$ 0.2 (8)	29.4 $\pm$ 0.3 (5)	29 $\pm$ 0.3 (6)	28.8 $\pm$ 0.3 (3)	29.4 $\pm$ 0.2 (5)	29.2 $\pm$ 0.6 (3)
Percent of Control		101	100	99	101	100
Reticulocytes (1,000/ μ l)	323.3 $\pm$ 9.4 (8)	378.8 $\pm$ 18.1 (5)	384 $\pm$ 14.1 (6)*	335.8 $\pm$ 10.8 (3)	365.8 $\pm$ 8.9 (5)	277.8 $\pm$ 3.6 (3)
Percent of Control		117	119	104	113	86
White Blood Cells (1,000/ μ l)	14.28 $\pm$ 0.87 (8)	14.58 $\pm$ 0.96 (5)	13.87 $\pm$ 0.59 (6)	14.32 $\pm$ 0.9 (3)	15.1 $\pm$ 0.85 (5)	10.76 $\pm$ 0.41 (3)
Percent of Control		102	97	100	106	75
Segmented Neutrophils (1,000/ μ l)	1.27 $\pm$ 0.14 (8)	1.31 $\pm$ 0.15 (5)	1.17 $\pm$ 0.11 (6)	1.09 $\pm$ 0.14 (3)	1.46 $\pm$ 0.21 (5)	1.06 $\pm$ 0.19 (3)
Percent of Control		103	92	85	115	83
Lymphocytes (1,000/ μ l)	11.99 $\pm$ 0.69 (8)	12.27 $\pm$ 0.82 (5)	11.93 $\pm$ 0.48 (6)	12.38 $\pm$ 1.06 (3)	12.69 $\pm$ 0.62 (5)	8.98 $\pm$ 0.15 (3)

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Percent of Control		102	100	103	106	75
Monocytes (1,000/ μ l)	0.66 $\pm$ 0.07 (8)*	0.65 $\pm$ 0.05 (5)	0.48 $\pm$ 0.05 (6)	0.52 $\pm$ 0.06 (3)	0.61 $\pm$ 0.03 (5)	0.36 $\pm$ 0.03 (3)*
Percent of Control		99	73	79	92	54
Eosinophils (1,000/ μ l)	0.06 $\pm$ 0.02 (8)	0.04 $\pm$ 0.01 (5)	0.04 $\pm$ 0 (6)	0.05 $\pm$ 0 (3)	0.04 $\pm$ 0.01 (5)	0.17 $\pm$ 0.11 (3)
Percent of Control		70	67	81	66	296
Basophils (1,000/ μ l)	0.13 $\pm$ 0.02 (8)	0.14 $\pm$ 0.02 (5)	0.12 $\pm$ 0.01 (6)	0.12 $\pm$ 0.01 (3)	0.14 $\pm$ 0.01 (5)	0.08 $\pm$ 0 (3)
Percent of Control		108	90	97	111	60
Platelets (1,000/ μ l)	1051 $\pm$ 40 (8)	973 $\pm$ 43 (5)	981 $\pm$ 169 (6)	1133 $\pm$ 73 (3)	1120 $\pm$ 22 (5)	547 $\pm$ 137 (3)
Percent of Control		93	93	108	107	52
Total Lymphocytes (1,000/ μ l)	12.16 $\pm$ 0.707 (8)	12.442 $\pm$ 0.823 (5)	12.063 $\pm$ 0.481 (6)	12.533 $\pm$ 1.054 (3)	12.848 $\pm$ 0.637 (5)	9.1 $\pm$ 0.145 (3)
Percent of Control		102	99	103	106	75
Large Unstained Cells (1,000/ μ l)	0.17 $\pm$ 0.02 (8)	0.17 $\pm$ 0.01 (5)	0.13 $\pm$ 0.02 (6)	0.16 $\pm$ 0.01 (3)	0.16 $\pm$ 0.02 (5)	0.12 $\pm$ 0.01 (3)
Percent of Control		97	77	90	93	69

Values given as mean $\pm$ 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