

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

**Hematology 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
Red Blood Cells (1,000,000/ $\mu$ l)	6.16 $\pm$ 0.08 (22)	5.95 $\pm$ 0.06 (20)	6.26 $\pm$ 0.08 (21)	6.21 $\pm$ 0.09 (19)	5.92 $\pm$ 0.08 (19)
Percent of Control		97	102	101	96
Hemoglobin (g/dL)	11.6 $\pm$ 0.2 (22)	11.2 $\pm$ 0.2 (20)	11.8 $\pm$ 0.2 (21)	11.9 $\pm$ 0.2 (19)	11.5 $\pm$ 0.2 (19)
Percent of Control		96	102	103	99
Hematocrit (Auto) (%)	38.9 $\pm$ 0.6 (22)	37.2 $\pm$ 0.5 (20)	39.3 $\pm$ 0.6 (21)	39.4 $\pm$ 0.6 (19)	38 $\pm$ 0.6 (19)
Percent of Control		96	101	101	98
Hematocrit (SPUN) (%)	36.6 $\pm$ 0.5 (22)	35.1 $\pm$ 0.5 (20)	38.1 $\pm$ 0.8 (21)	37.2 $\pm$ 0.5 (19)	36.4 $\pm$ 0.5 (19)
Percent of Control		96	104	102	99
Mean Cell Volume (fL)	63.1 $\pm$ 0.3 (22)	62.6 $\pm$ 0.5 (20)	62.7 $\pm$ 0.4 (21)	63.4 $\pm$ 0.5 (19)	64.1 $\pm$ 0.4 (19)
Percent of Control		99	99	100	102
Mean Cell Hemoglobin (pg)	18.8 $\pm$ 0.1 (22)**	18.8 $\pm$ 0.2 (20)	18.9 $\pm$ 0.1 (21)	19.1 $\pm$ 0.1 (19)	19.4 $\pm$ 0.1 (19)**
Percent of Control		100	100	102	103
Mean Cell Hemoglobin Concentration (g/dL)	29.9 $\pm$ 0.1 (22)*	30 $\pm$ 0.1 (20)	30.2 $\pm$ 0.1 (21)	30.2 $\pm$ 0.1 (19)	30.3 $\pm$ 0.1 (19)
Percent of Control		101	101	101	102
Reticulocytes (100,000/ $\mu$ l)	2.82 $\pm$ 0.063 (22)	2.965 $\pm$ 0.153 (20)	2.794 $\pm$ 0.087 (21)	2.704 $\pm$ 0.088 (19)	3.081 $\pm$ 0.084 (19)
Percent of Control		105	99	96	109
White Blood Cells (1,000/ $\mu$ l)	6.232 $\pm$ 0.572 (22)	6.186 $\pm$ 0.597 (20)	6.289 $\pm$ 0.551 (21)	6.018 $\pm$ 0.56 (19)	5.524 $\pm$ 0.466 (19)
Percent of Control		99	101	97	89
Segmented Neutrophils (1,000/ $\mu$ l)	1.55 $\pm$ 0.13 (22)	1.59 $\pm$ 0.17 (20)	1.68 $\pm$ 0.14 (21)	1.53 $\pm$ 0.14 (19)	1.43 $\pm$ 0.12 (19)
Percent of Control		103	109	99	92
Lymphocytes (1,000/ $\mu$ l)	4.13 $\pm$ 0.42 (22)	4.04 $\pm$ 0.38 (20)	4.1 $\pm$ 0.41 (21)	4.06 $\pm$ 0.42 (19)	3.71 $\pm$ 0.33 (19)

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F0 Females					
	Treatment Groups (mg/kg)				
	0	50	100	200	400
Percent of Control		98	99	98	90
Monocytes (1,000/ $\mu$ l)	0.31 $\pm$ 0.04 (22)	0.36 $\pm$ 0.07 (20)	0.3 $\pm$ 0.03 (21)	0.25 $\pm$ 0.03 (19)	0.25 $\pm$ 0.03 (19)
Percent of Control		116	97	82	81
Eosinophils (1,000/ $\mu$ l)	0.15 $\pm$ 0.03 (22)**	0.09 $\pm$ 0.02 (20)	0.1 $\pm$ 0.02 (21)	0.09 $\pm$ 0.03 (19)*	0.06 $\pm$ 0.01 (19)**
Percent of Control		61	68	60	39
Basophils (1,000/ $\mu$ l)	0.03 $\pm$ 0 (22)	0.05 $\pm$ 0.02 (20)	0.04 $\pm$ 0 (21)	0.02 $\pm$ 0 (19)	0.03 $\pm$ 0 (19)
Percent of Control		177	129	89	97
Platelets (1,000/ $\mu$ l)	1269 $\pm$ 46 (22)	1311 $\pm$ 40 (20)	1221 $\pm$ 55 (21)	1243 $\pm$ 64 (19)	1170 $\pm$ 55 (19)
Percent of Control		103	96	98	92
Nucleated Red Blood Cells (Per 100 WBC)	0.1 $\pm$ 0.1 (22)	0.2 $\pm$ 0.1 (20)	0.1 $\pm$ 0.1 (21)	0.0 $\pm$ 0 (19)	0.4 $\pm$ 0.3 (19)
Percent of Control		165	105	0	405
Large Unstained Cells (1,000/ $\mu$ l)	0.068 $\pm$ 0.009 (22)	0.073 $\pm$ 0.013 (20)	0.069 $\pm$ 0.011 (21)	0.055 $\pm$ 0.007 (19)	0.052 $\pm$ 0.006 (19)
Percent of Control		107	101	81	76

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