

Study Number: C12010-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Sex:

PWG Approval Date:

Version:

PA43: Hematology Summary

Test Compound: Drometrizole

CAS Number: 2440-22-4

C12010-01

Male

See web page for date of PWG Approval

v1.2.0

Date Report Requested: 05/19/2021

Time Report Requested: 07:38:34

Lab: Battelle

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Male					
Treatment Groups (mg/kg)					
	Phase Day	0	30	100	300
Hematocrit (%)	SD 14	49.1 ± 0.5 (5)	51.1 ± 1.1 (5)	50.7 ± 1.0 (5)	49.8 ± 0.7 (5)
Percent of Control			104.2	103.3	101.5
Manual Hematocrit (%)	SD 14	48.0 ± 0.5 (5)	48.8 ± 1.2 (5)	49.4 ± 0.6 (5)	48.6 ± 0.5 (5)
Percent of Control			101.7	102.9	101.3
Hemoglobin (g/dL)	SD 14	15.5 ± 0.1 (5)	16.0 ± 0.3 (5)	15.7 ± 0.2 (5)	15.6 ± 0.2 (5)
Percent of Control			103.1	101.0	100.5
Erythrocytes (10 ⁶ /uL)	SD 14	8.66 ± 0.09 (5)	9.01 ± 0.16 (5)	8.84 ± 0.20 (5)	8.68 ± 0.10 (5)
Percent of Control			104.1	102.1	100.3
Reticulocytes (10 ³ /uL)	SD 14	233.4 ± 7.7 (5)	245.6 ± 20.1 (5)	246.7 ± 9.5 (5)	221.7 ± 13.3 (5)
Percent of Control			105.2	105.7	95.0
Mean Cell Volume (fL)	SD 14	56.7 ± 0.4 (5)	56.7 ± 0.4 (5)	57.3 ± 0.4 (5)	57.3 ± 1.0 (5)
Percent of Control			100.1	101.2	101.2
Mean Cell Hemoglobin (pg)	SD 14	17.9 ± 0.1 (5)	17.8 ± 0.1 (5)	17.8 ± 0.1 (5)	18.0 ± 0.2 (5)
Percent of Control			99.1	99.1	100.4
Mean Cell Hemoglobin Concentration (g/dL)	SD 14	31.7 ± 0.2 (5)	31.3 ± 0.2 (5)	31.0 ± 0.1 (5) *	31.4 ± 0.2 (5)
Percent of Control			98.9	97.9	99.1
Platelets (10 ³ /uL)	SD 14	739 ± 10 (5)	790 ± 41 (5)	869 ± 59 (5)	762 ± 22 (5)
Percent of Control			106.8	117.5	103.1
White Blood Cells (10 ³ /uL)	SD 14	15.41 ± 1.23 (5)	15.26 ± 0.93 (5)	15.20 ± 0.42 (5)	14.87 ± 0.51 (5)
Percent of Control			99.0	98.6	96.5
Neutrophils (10 ³ /uL)	SD 14	1.74 ± 0.11 (5)	1.62 ± 0.11 (5)	1.45 ± 0.21 (5)	1.55 ± 0.05 (5)
Percent of Control			93.3	83.4	89.2

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		Treatment Groups (mg/kg)							
		0		30		100		300	
Phase Day									
Lymphocytes (10 ³ /uL)	SD 14	12.86 ±	1.12 (5)	12.58 ±	0.77 (5)	12.71 ±	0.37 (5)	12.34 ±	0.43 (5)
Percent of Control				97.9		98.9		96.0	
Monocytes (10 ³ /uL)	SD 14	0.47 ±	0.07 (5)	0.69 ±	0.07 (5)	0.66 ±	0.09 (5)	0.60 ±	0.05 (5)
Percent of Control				146.2		140.3		127.5	
Basophils (10 ³ /uL)	SD 14	0.08 ±	0.01 (5)	0.08 ±	0.01 (5)	0.07 ±	0.01 (5)	0.07 ±	0.00 (5)
Percent of Control				102.6		94.7		89.5	
Eosinophils (10 ³ /uL)	SD 14	0.11 ±	0.02 (5)	0.12 ±	0.03 (5)	0.14 ±	0.03 (5)	0.14 ±	0.03 (5)
Percent of Control				105.4		121.4		121.4	
Large Unstained Cells (10 ³ /uL)	SD 14	0.16 ±	0.03 (5)	0.18 ±	0.01 (5)	0.17 ±	0.02 (5)	0.18 ±	0.02 (5)
Percent of Control				111.4		110.1		115.2	

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	Phase Day	Treatment Groups
		1000
Hematocrit (%)	SD 14	49.3 ± 0.9 (5)
Percent of Control		100.6
Manual Hematocrit (%)	SD 14	48.0 ± 0.8 (5)
Percent of Control		100.0
Hemoglobin (g/dL)	SD 14	15.5 ± 0.2 (5)
Percent of Control		100.0
Erythrocytes (10 ⁶ /uL)	SD 14	8.79 ± 0.18 (5)
Percent of Control		101.5
Reticulocytes (10 ³ /uL)	SD 14	214.0 ± 14.0 (5)
Percent of Control		91.7
Mean Cell Volume (fL)	SD 14	56.1 ± 0.5 (5)
Percent of Control		99.1
Mean Cell Hemoglobin (pg)	SD 14	17.7 ± 0.2 (5)
Percent of Control		98.7
Mean Cell Hemoglobin Concentration (g/dL)	SD 14	31.5 ± 0.1 (5)
Percent of Control		99.4
Platelets (10 ³ /uL)	SD 14	719 ± 42 (5)
Percent of Control		97.3
White Blood Cells (10 ³ /uL)	SD 14	13.13 ± 0.64 (5)
Percent of Control		85.2
Neutrophils (10 ³ /uL)	SD 14	1.65 ± 0.20 (5)
Percent of Control		95.3

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	Phase Day	Treatment Groups	
		1000	
Lymphocytes (10 ³ /uL)	SD 14	10.56 ± 0.44 (5)	
Percent of Control		82.1	
Monocytes (10 ³ /uL)	SD 14	0.59 ± 0.07 (5)	
Percent of Control		125.8	
Basophils (10 ³ /uL)	SD 14	0.07 ± 0.01 (5)	
Percent of Control		89.5	
Eosinophils (10 ³ /uL)	SD 14	0.11 ± 0.02 (5)	
Percent of Control		100.0	
Large Unstained Cells (10 ³ /uL)	SD 14	0.14 ± 0.02 (5)	
Percent of Control		88.6	

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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 were 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 ****