

Experiment Number: C06100

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

Cage Range:

Date Range:

Reasons For Removal:

Removal Date Range:

Treatment Groups:

Study Gender:

PA43: Hematology Summary

Test Compound: Perfluorohexane sulfonate potassium salt

CAS Number: 3871-99-6

C06100

All

All

All

All

All

Male

Date Report Requested: 12/14/2016

Time Report Requested: 15:27:23

Lab: Battelle

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Treatment Groups

	Phase Day	0 mg/kg/day	0.625 mg/kg/day	1.25 mg/kg/day	2.5 mg/kg/day
Hematocrit (%)	SD 28	52.3 ± 0.8 (10) *	50.8 ± 0.6 (10)	51.4 ± 0.6 (10)	49.9 ± 0.5 (10)
Percent of Control			97	98	95
Manual Hematocrit (%)	SD 28	47 ± 1 (10) *	46 ± 1 (10)	46 ± 1 (10)	45 ± 0 (10)
Percent of Control			98	99	96
Hemoglobin (g/dL)	SD 28	15.8 ± 0.2 (10)	15.5 ± 0.2 (10)	15.7 ± 0.2 (10)	15.1 ± 0.2 (10)
Percent of Control			98	99	96
Red Blood Cells (M/uL)	SD 28	8.62 ± 0.11 (10) *	8.40 ± 0.08 (10)	8.72 ± 0.12 (10)	8.35 ± 0.09 (10)
Percent of Control			97	101	97
Reticulocytes (K/uL)	SD 28	182.0 ± 7.4 (10) **	163.6 ± 9.1 (10)	155.4 ± 7.6 (10) *	152.6 ± 5.7 (10) *
Percent of Control			90	85	84
Mean Cell Volume (fL)	SD 28	60.7 ± 0.5 (10)	60.5 ± 0.5 (10)	59.1 ± 0.4 (10) *	59.8 ± 0.3 (10)
Percent of Control			100	97	98
Mean Cell Hemoglobin (pg)	SD 28	18.4 ± 0.2 (10)	18.4 ± 0.2 (10)	18.0 ± 0.1 (10)	18.1 ± 0.1 (10)
Percent of Control			100	98	99
Mean Cell Hemoglobin Concentration (g/dL)	SD 28	30.3 ± 0.1 (10)	30.4 ± 0.1 (10)	30.5 ± 0.1 (10)	30.4 ± 0.1 (10)
Percent of Control			101	101	100
Platelets (K/uL)	SD 28	898 ± 24 (10)	909 ± 27 (10)	917 ± 21 (10)	860 ± 28 (10)
Percent of Control			101	102	96
White Blood Cells (K/uL)	SD 28	10.57 ± 0.77 (10)	13.06 ± 1.16 (10)	11.21 ± 0.85 (10)	11.80 ± 0.53 (10)
Percent of Control			124	106	112
Neutrophils (K/uL)	SD 28	0.98 ± 0.11 (10)	1.13 ± 0.05 (10)	1.03 ± 0.07 (10)	1.05 ± 0.10 (10)
Percent of Control			116	106	107

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	Phase Day	0 mg/kg/day	0.625 mg/kg/day	1.25 mg/kg/day	2.5 mg/kg/day
Lymphocytes (K/uL)	SD 28	9.25 ± 0.66 (10)	11.52 ± 1.09 (10)	9.79 ± 0.78 (10)	10.38 ± 0.49 (10)
Percent of Control			125	106	112
Total Lymphocytes (K/uL)	SD 28	9.31 ± 0.67 (10)	11.59 ± 1.09 (10)	9.85 ± 0.79 (10)	10.44 ± 0.50 (10)
Percent of Control			125	106	112
Monocytes (K/uL)	SD 28	0.17 ± 0.02 (10)	0.21 ± 0.02 (10)	0.21 ± 0.03 (10)	0.21 ± 0.03 (10)
Percent of Control			126	125	124
Basophils (K/uL)	SD 28	0.02 ± 0.00 (10)	0.02 ± 0.00 (10)	0.02 ± 0.00 (10)	0.02 ± 0.00 (10)
Percent of Control			120	113	107
Eosinophils (K/uL)	SD 28	0.10 ± 0.01 (10) **	0.11 ± 0.01 (10)	0.09 ± 0.01 (10)	0.08 ± 0.01 (10)
Percent of Control			108	93	83

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	Phase Day	Treatment Groups	
		5 mg/kg/day	10 mg/kg/day
Hematocrit (%)	SD 28	50.4 ± 0.2 (10)	50.6 ± 0.6 (10)
Percent of Control		96	97
Manual Hematocrit (%)	SD 28	45 ± 0 (10)	44 ± 1 (10)
Percent of Control		97	95
Hemoglobin (g/dL)	SD 28	15.4 ± 0.1 (10)	15.4 ± 0.2 (10)
Percent of Control		97	97
Red Blood Cells (M/uL)	SD 28	8.33 ± 0.06 (10)	8.36 ± 0.11 (10)
Percent of Control		97	97
Reticulocytes (K/uL)	SD 28	133.7 ± 7.4 (10) **	141.0 ± 6.6 (10) **
Percent of Control		74	78
Mean Cell Volume (fL)	SD 28	60.5 ± 0.3 (10)	60.6 ± 0.4 (10)
Percent of Control		100	100
Mean Cell Hemoglobin (pg)	SD 28	18.5 ± 0.1 (10)	18.4 ± 0.2 (10)
Percent of Control		101	100
Mean Cell Hemoglobin Concentration (g/dL)	SD 28	30.5 ± 0.1 (10)	30.4 ± 0.1 (10)
Percent of Control		101	101
Platelets (K/uL)	SD 28	891 ± 21 (10)	886 ± 35 (10)
Percent of Control		99	99
White Blood Cells (K/uL)	SD 28	11.97 ± 0.58 (10)	11.36 ± 0.96 (10)
Percent of Control		113	107
Neutrophils (K/uL)	SD 28	1.02 ± 0.04 (10)	1.15 ± 0.17 (10)
Percent of Control		104	118

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		Treatment Groups	
	Phase Day	5 mg/kg/day	10 mg/kg/day
Lymphocytes (K/uL)	SD 28	10.55 ± 0.54 (10)	9.86 ± 0.81 (10)
Percent of Control		114	107
Total Lymphocytes (K/uL)	SD 28	10.62 ± 0.55 (10)	9.92 ± 0.82 (10)
Percent of Control		114	107
Monocytes (K/uL)	SD 28	0.24 ± 0.03 (10)	0.22 ± 0.04 (10)
Percent of Control		140	129
Basophils (K/uL)	SD 28	0.02 ± 0.00 (10)	0.01 ± 0.00 (10)
Percent of Control		120	87
Eosinophils (K/uL)	SD 28	0.08 ± 0.01 (10)	0.07 ± 0.01 (10) *
Percent of Control		77	67

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LEGEND

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

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

Hematology for gestation phase includes pregnant females only

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 $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****