

Experiment Number: C91069

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

C91069

Cage Range:

All

Date Range:

All

Reasons For Removal:

All

Removal Date Range:

All

Treatment Groups:

All

Study Gender:

Both

PA43: Hematology Summary

Test Compound: Wyeth 14,643 (WY)

CAS Number: 50892-23-4

Date Report Requested: 12/14/2016

Time Report Requested: 15:22:58

Lab: Battelle

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Male

Treatment Groups

	Phase Day	0 mg/kg/day	6.25 mg/kg/day	12.5 mg/kg/day	25 mg/kg/day
Hematocrit (%)	SD 28	53.4 ± 0.5 (10)	52.3 ± 0.5 (10)	53.4 ± 0.5 (10)	52.1 ± 0.5 (10)
Percent of Control			98	100	98
Manual Hematocrit (%)	SD 28	48 ± 0 (10)	47 ± 0 (10)	48 ± 0 (10)	47 ± 0 (10)
Percent of Control			96	99	97
Hemoglobin (g/dL)	SD 28	15.9 ± 0.2 (10)	15.5 ± 0.1 (10)	15.9 ± 0.1 (10)	15.5 ± 0.1 (10)
Percent of Control			97	100	97
Red Blood Cells (M/uL)	SD 28	9.04 ± 0.11 (10)	8.77 ± 0.13 (10)	8.87 ± 0.08 (10)	8.75 ± 0.08 (10)
Percent of Control			97	98	97
Reticulocytes (K/uL)	SD 28	207.2 ± 5.4 (10) *	168.4 ± 6.6 (10) **	194.4 ± 11.6 (10)	174.0 ± 10.0 (10) **
Percent of Control			81	94	84
Mean Cell Volume (fL)	SD 28	59.1 ± 0.2 (10)	59.8 ± 0.6 (10)	60.2 ± 0.4 (10)	59.5 ± 0.3 (10)
Percent of Control			101	102	101
Mean Cell Hemoglobin (pg)	SD 28	17.7 ± 0.1 (10)	17.7 ± 0.2 (10)	17.9 ± 0.1 (10)	17.7 ± 0.1 (10)
Percent of Control			100	102	100
Mean Cell Hemoglobin Concentration (g/dL)	SD 28	29.9 ± 0.1 (10)	29.6 ± 0.1 (10)	29.8 ± 0.1 (10)	29.7 ± 0.1 (10)
Percent of Control			99	100	99
Platelets (K/uL)	SD 28	939 ± 30 (10) **	982 ± 29 (10)	1033 ± 46 (10)	1153 ± 37 (10) **
Percent of Control			105	110	123
White Blood Cells (K/uL)	SD 28	10.22 ± 0.62 (10)	11.68 ± 0.83 (10)	11.46 ± 0.77 (10)	10.70 ± 0.65 (10)
Percent of Control			114	112	105
Neutrophils (K/uL)	SD 28	0.95 ± 0.06 (10) **	1.06 ± 0.05 (10)	1.41 ± 0.18 (10) *	1.28 ± 0.08 (10) *
Percent of Control			111	148	135

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Treatment Groups

	Phase Day	0 mg/kg/day	6.25 mg/kg/day	12.5 mg/kg/day	25 mg/kg/day
Lymphocytes (K/uL)	SD 28	8.95 ± 0.56 (10)	10.20 ± 0.81 (10)	9.60 ± 0.66 (10)	9.01 ± 0.59 (10)
Percent of Control			114	107	101
Total Lymphocytes (K/uL)	SD 28	9.01 ± 0.57 (10)	10.27 ± 0.81 (10)	9.67 ± 0.67 (10)	9.07 ± 0.59 (10)
Percent of Control			114	107	101
Monocytes (K/uL)	SD 28	0.17 ± 0.02 (10)	0.23 ± 0.02 (10)	0.25 ± 0.03 (10)	0.22 ± 0.03 (10)
Percent of Control			136	153	134
Basophils (K/uL)	SD 28	0.01 ± 0.00 (10)	0.01 ± 0.00 (10)	0.02 ± 0.00 (10)	0.01 ± 0.00 (10)
Percent of Control			77	138	100
Eosinophils (K/uL)	SD 28	0.07 ± 0.01 (10) *	0.11 ± 0.01 (10)	0.11 ± 0.02 (10)	0.12 ± 0.01 (10) *
Percent of Control			161	158	166

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Female

Treatment Groups

	Phase Day	0 mg/kg/day	6.25 mg/kg/day	12.5 mg/kg/day	25 mg/kg/day
Hematocrit (%)	SD 28	46.8 ± 0.5 (10)	48.2 ± 0.5 (10)	48.6 ± 0.7 (10)	47.6 ± 0.7 (10)
Percent of Control			103	104	102
Manual Hematocrit (%)	SD 28	42 ± 1 (10)	44 ± 1 (10)	44 ± 1 (10)	43 ± 1 (10)
Percent of Control			104	104	102
Hemoglobin (g/dL)	SD 28	14.1 ± 0.2 (10)	14.5 ± 0.1 (10)	14.5 ± 0.2 (10)	14.1 ± 0.2 (10)
Percent of Control			102	102	100
Red Blood Cells (M/uL)	SD 28	7.77 ± 0.10 (10)	7.90 ± 0.08 (10)	7.91 ± 0.13 (10)	7.79 ± 0.15 (10)
Percent of Control			102	102	100
Reticulocytes (K/uL)	SD 28	204.5 ± 27.3 (10)	168.3 ± 11.0 (10)	203.1 ± 11.9 (10)	222.2 ± 14.4 (10)
Percent of Control			82	99	109
Mean Cell Volume (fL)	SD 28	60.2 ± 0.6 (10)	61.0 ± 0.3 (10)	61.5 ± 0.4 (10)	61.1 ± 0.3 (10)
Percent of Control			101	102	101
Mean Cell Hemoglobin (pg)	SD 28	18.2 ± 0.2 (10)	18.3 ± 0.1 (10)	18.3 ± 0.2 (10)	18.1 ± 0.1 (10)
Percent of Control			101	101	100
Mean Cell Hemoglobin Concentration (g/dL)	SD 28	30.2 ± 0.1 (10) **	30.0 ± 0.2 (10)	29.8 ± 0.1 (10)	29.6 ± 0.1 (10) *
Percent of Control			99	99	98
Platelets (K/uL)	SD 28	1059 ± 66 (10)	993 ± 21 (10)	1072 ± 39 (10)	1009 ± 38 (10)
Percent of Control			94	101	95
White Blood Cells (K/uL)	SD 28	8.13 ± 0.71 (10)	7.92 ± 0.46 (10)	7.86 ± 0.51 (10)	7.26 ± 0.55 (10)
Percent of Control			97	97	89
Neutrophils (K/uL)	SD 28	0.51 ± 0.05 (10) *	0.60 ± 0.03 (10)	0.70 ± 0.06 (10)	0.63 ± 0.06 (10)
Percent of Control			116	137	123

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Treatment Groups

	Phase Day	0 mg/kg/day	6.25 mg/kg/day	12.5 mg/kg/day	25 mg/kg/day
Lymphocytes (K/uL)	SD 28	7.33 ± 0.65 (10)	7.08 ± 0.41 (10)	6.88 ± 0.45 (10)	6.34 ± 0.52 (10)
Percent of Control			97	94	86
Total Lymphocytes (K/uL)	SD 28	7.38 ± 0.65 (10)	7.12 ± 0.42 (10)	6.92 ± 0.45 (10)	6.38 ± 0.52 (10)
Percent of Control			96	94	86
Monocytes (K/uL)	SD 28	0.15 ± 0.02 (10)	0.13 ± 0.02 (10)	0.13 ± 0.01 (10)	0.16 ± 0.02 (10)
Percent of Control			88	87	106
Basophils (K/uL)	SD 28	0.01 ± 0.00 (10)	0.01 ± 0.00 (10)	0.01 ± 0.00 (10)	0.00 ± 0.00 (10)
Percent of Control			67	78	44
Eosinophils (K/uL)	SD 28	0.08 ± 0.01 (10)	0.07 ± 0.01 (10)	0.11 ± 0.02 (10)	0.08 ± 0.01 (10)
Percent of Control			88	136	95

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LEGEND

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

Values given as mean \pm 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 ****