

**Experiment Number:** C04049

**Test Type:** TOX

**Route:** Oral Gavage

**Species/Strain:** Rat/Harlan Sprague Dawley

**C Number:**

C04049

**Cage Range:**

All

**Date Range:**

All

**Reasons For Removal:**

All

**Removal Date Range:**

All

**Treatment Groups:**

All

**Study Gender:**

Female

**PA43: Hematology Summary**

**Test Compound:** Perfluorononanoic Acid

**CAS Number:** 375-95-1

**Date Report Requested:** 12/14/2016

**Time Report Requested:** 15:25:55

**Lab:** Battelle

Experiment Number: C04049

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

PA43: Hematology Summary

Test Compound: Perfluorononanoic Acid

CAS Number: 375-95-1

Date Report Requested: 12/14/2016

Time Report Requested: 15:25:55

Lab: Battelle

Female

Treatment Groups

	Phase Day	0 mg/kg/day	1.56 mg/kg/day	3.12 mg/kg/day	6.25 mg/kg/day
Hematocrit (%)	SD 28	46.8 ± 0.7 (10) *	45.6 ± 0.5 (10)	47.1 ± 0.4 (10)	47.8 ± 0.8 (10)
Percent of Control			97	101	102
Manual Hematocrit (%)	SD 28	43 ± 1 (10)	42 ± 1 (10)	43 ± 0 (10)	44 ± 1 (10)
Percent of Control			97	100	102
Hemoglobin (g/dL)	SD 28	14.3 ± 0.2 (10)	14.1 ± 0.1 (10)	14.4 ± 0.1 (10)	14.6 ± 0.2 (10)
Percent of Control			98	101	102
Red Blood Cells (M/uL)	SD 28	7.75 ± 0.12 (10) *	7.54 ± 0.09 (10)	7.75 ± 0.06 (10)	7.94 ± 0.13 (10)
Percent of Control			97	100	102
Reticulocytes (K/uL)	SD 28	203.5 ± 28.5 (10)	207.5 ± 15.3 (10)	193.5 ± 13.0 (10)	207.1 ± 9.6 (10)
Percent of Control			102	95	102
Mean Cell Volume (fL)	SD 28	60.4 ± 0.4 (10)	60.5 ± 0.3 (10)	60.8 ± 0.4 (10)	60.3 ± 0.4 (10)
Percent of Control			100	101	100
Mean Cell Hemoglobin (pg)	SD 28	18.5 ± 0.1 (10)	18.7 ± 0.1 (10)	18.6 ± 0.1 (10)	18.4 ± 0.1 (10)
Percent of Control			101	101	100
Mean Cell Hemoglobin Concentration (g/dL)	SD 28	30.6 ± 0.1 (10)	30.8 ± 0.2 (10)	30.6 ± 0.1 (10)	30.6 ± 0.2 (10)
Percent of Control			101	100	100
Platelets (K/uL)	SD 28	1030 ± 48 (10)	989 ± 42 (10)	1068 ± 30 (10)	899 ± 31 (10)
Percent of Control			96	104	87
White Blood Cells (K/uL)	SD 28	8.53 ± 0.50 (10)	7.96 ± 0.63 (10)	7.53 ± 0.33 (10)	7.19 ± 0.55 (10)
Percent of Control			93	88	84
Neutrophils (K/uL)	SD 28	0.88 ± 0.09 (10) **	0.98 ± 0.18 (10)	0.64 ± 0.04 (10)	0.57 ± 0.04 (10) *
Percent of Control			111	72	65

Experiment Number: C04049

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

PA43: Hematology Summary

Test Compound: Perfluorononanoic Acid

CAS Number: 375-95-1

Date Report Requested: 12/14/2016

Time Report Requested: 15:25:55

Lab: Battelle

Female

Treatment Groups

	Phase Day	0 mg/kg/day	1.56 mg/kg/day	3.12 mg/kg/day	6.25 mg/kg/day
Lymphocytes (K/uL)	SD 28	7.34 ± 0.46 (10)	6.71 ± 0.47 (10)	6.65 ± 0.30 (10)	6.34 ± 0.49 (10)
Percent of Control			91	91	86
Total Lymphocytes (K/uL)	SD 28	7.39 ± 0.46 (10)	6.76 ± 0.47 (10)	6.69 ± 0.30 (10)	6.39 ± 0.50 (10)
Percent of Control			91	90	86
Monocytes (K/uL)	SD 28	0.16 ± 0.02 (10)	0.14 ± 0.03 (10)	0.13 ± 0.01 (10)	0.14 ± 0.02 (10)
Percent of Control			86	79	91
Basophils (K/uL)	SD 28	0.01 ± 0.00 (10)	0.01 ± 0.00 (10)	0.01 ± 0.00 (10)	0.01 ± 0.00 (10)
Percent of Control			113	75	88
Eosinophils (K/uL)	SD 28	0.10 ± 0.03 (10)	0.07 ± 0.02 (10)	0.08 ± 0.01 (10)	0.08 ± 0.01 (10)
Percent of Control			72	76	77

**Experiment Number:** C04049

**Test Type:** TOX

**Route:** Oral Gavage

**Species/Strain:** Rat/Harlan Sprague Dawley

**PA43: Hematology Summary**

**Test Compound:** Perfluoronanoic Acid

**CAS Number:** 375-95-1

**Date Report Requested:** 12/14/2016

**Time Report Requested:** 15:25:55

**Lab:** Battelle

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 \*\***