

**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:**

Male

**PA06: Organ Weights Summary**

**Test Compound:** Perfluorononanoic Acid

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

**Date Report Requested:** 07/05/2017

**Time Report Requested:** 07:17:40

**Lab:** Battelle

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## PA06: Organ Weights Summary

Test Compound: Perfluorononanoic Acid

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Males															
Treatment Groups (mg/kg/day)															
	0			0.625			1.25			2.5			5		
Terminal Body Wt.	343.5	± 5.7	(10) **	332.0	± 5.7	(10)	286.2	± 4.7	(10) **	192.5	± 8.9	(10) **	154.8	± 4.7	(2) **
R. Adrenal gland															
Absolute (g)	0.0220	± 0.0009	(10) **	0.0187	± 0.0006	(10) **	0.0179	± 0.0010	(10) **	0.0175	± 0.0006	(10) **	0.0160	± 0.0010	(2) **
Relative (mg/g)	0.06	± 0.00	(10) **	0.06	± 0.00	(10)	0.06	± 0.00	(10)	0.09	± 0.00	(10) **	0.10	± 0.00	(2) **
Heart															
Absolute (g)	1.19	± 0.02	(10) **	1.17	± 0.02	(10)	1.02	± 0.02	(10) **	0.68	± 0.03	(10) **	0.60	± 0.03	(2) **
Relative (mg/g)	3.47	± 0.05	(10) *	3.53	± 0.04	(10)	3.57	± 0.06	(10)	3.55	± 0.06	(10)	3.85	± 0.28	(2) *
R. Kidney															
Absolute (g)	1.02	± 0.02	(10) **	1.14	± 0.03	(10)	1.04	± 0.02	(10)	0.82	± 0.03	(10) **	0.79	± 0.02	(2) **
Relative (mg/g)	2.97	± 0.05	(10) **	3.43	± 0.05	(10) **	3.64	± 0.07	(10) **	4.26	± 0.06	(10) **	5.08	± 0.25	(2) **
Liver															
Absolute (g)	11.73	± 0.23	(10)	13.99	± 0.33	(10) *	15.58	± 0.27	(10) **	12.33	± 0.92	(10)	12.53	± 0.03	(2)
Relative (mg/g)	34.14	± 0.32	(10) **	42.12	± 0.58	(10) **	54.47	± 0.59	(10) **	63.37	± 1.86	(10) **	81.01	± 2.27	(2) **
Lung															
Absolute (g)	1.96	± 0.07	(10) *	2.23	± 0.10	(10)	2.13	± 0.10	(10)	1.63	± 0.11	(10)	1.36	± 0.01	(2) *
Relative (mg/g)	5.72	± 0.21	(10) **	6.68	± 0.21	(10) *	7.46	± 0.34	(10) **	8.53	± 0.46	(10) **	8.76	± 0.23	(2) **
Spleen															
Absolute (g)	0.674	± 0.015	(10) **	0.615	± 0.035	(10)	0.496	± 0.017	(10) **	0.286	± 0.021	(10) **	0.199	± 0.031	(2) **
Relative (mg/g)	1.96	± 0.03	(10) **	1.85	± 0.09	(10)	1.73	± 0.05	(10) *	1.48	± 0.06	(10) **	1.28	± 0.16	(2) **
R. Testis															
Absolute (g)	1.870	± 0.045	(10) **	1.793	± 0.035	(10)	1.757	± 0.032	(10)	1.493	± 0.055	(10) **	0.636	± 0.023	(2) **
Relative (mg/g)	5.44	± 0.09	(10) **	5.40	± 0.08	(10)	6.15	± 0.13	(10) **	7.80	± 0.17	(10) **	4.11	± 0.02	(2) **
Thymus															
Absolute (g)	0.389	± 0.021	(10) **	0.427	± 0.022	(10)	0.268	± 0.012	(10) **	0.087	± 0.017	(10) **	0.063	± 0.001	(2) **
Relative (mg/g)	1.13	± 0.06	(10) **	1.29	± 0.07	(10)	0.93	± 0.03	(10) *	0.43	± 0.06	(10) **	0.40	± 0.01	(2) **
Thyroid gland															
Absolute (g)	0.0226	± 0.0010	(10) **	0.0251	± 0.0016	(10)	0.0210	± 0.0009	(10)	0.0161	± 0.0009	(10) **	0.0145	± 0.0005	(2) **
Relative (mg/g)	0.07	± 0.00	(10) **	0.08	± 0.00	(10)	0.07	± 0.00	(10)	0.09	± 0.01	(10) **	0.09	± 0.01	(2) *

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## LEGEND

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Data are displayed as mean  $\pm$  SEM (N)

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight

Statistical analysis performed by Jonckheere (trend) and William or Dunnett (pairwise) tests unless otherwise noted.

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 \*\***