

**Experiment Number:** C07040

**Test Type:** TOX

**Route:** Oral Gavage

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

**C Number:**

C07040

**Cage Range:**

All

**Date Range:**

All

**Reasons For Removal:**

All

**Removal Date Range:**

All

**Treatment Groups:**

All

**Study Gender:**

Both

**PA06: Organ Weights Summary**

**Test Compound:** Perfluorobutane sulfonate

**CAS Number:** 375-73-5

**Date Report Requested:** 07/06/2017

**Time Report Requested:** 06:52:14

**Lab:** Battelle

Experiment Number: C07040

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

## PA06: Organ Weights Summary

Test Compound: Perfluorobutane sulfonate

CAS Number: 375-73-5

Date Report Requested: 07/06/2017

Time Report Requested: 06:52:14

Lab: Battelle

Males															
Treatment Groups (mg/kg/day)															
	0			62.6			125			250			500		
Terminal Body Wt.	341.5	± 6.9	(10)	335.2	± 7.5	(10)	349.0	± 8.7	(10)	348.2	± 9.4	(10)	317.4	± 6.0	(10)
R. Adrenal gland															
Absolute (g)	0.0218	± 0.0008	(10) *	0.0196	± 0.0009	(10)	0.0182	± 0.0013	(10) *	0.0188	± 0.0008	(10)	0.0187	± 0.0007	(10)
Relative (mg/g)	0.06	± 0.00	(10)	0.06	± 0.00	(10)	0.05	± 0.00	(10) **	0.05	± 0.00	(10) *	0.06	± 0.00	(10)
Heart															
Absolute (g)	1.22	± 0.03	(10) *	1.15	± 0.04	(10)	1.19	± 0.03	(10)	1.20	± 0.03	(10)	1.07	± 0.02	(10) **
Relative (mg/g)	3.56	± 0.04	(10)	3.42	± 0.06	(10)	3.41	± 0.06	(10)	3.46	± 0.03	(10)	3.36	± 0.06	(10) *
R. Kidney															
Absolute (g)	1.00	± 0.04	(10) **	0.98	± 0.03	(10)	1.05	± 0.03	(10)	1.07	± 0.03	(10)	1.11	± 0.03	(10) *
Relative (mg/g)	2.93	± 0.06	(10) **	2.93	± 0.05	(10)	3.01	± 0.07	(10)	3.07	± 0.04	(10)	3.49	± 0.08	(10) **
Liver															
Absolute (g)	12.06	± 0.46	(10) **	13.40	± 0.42	(10)	15.30	± 0.53	(10) **	17.99	± 0.78	(10) **	18.52	± 0.40	(10) **
Relative (mg/g)	35.23	± 0.79	(10) **	39.90	± 0.48	(10) **	43.78	± 0.75	(10) **	51.48	± 0.88	(10) **	58.33	± 0.43	(10) **
Lung															
Absolute (g)	2.00	± 0.08	(10)	2.12	± 0.16	(10)	2.20	± 0.13	(10)	2.32	± 0.10	(10)	1.97	± 0.12	(10)
Relative (mg/g)	5.90	± 0.30	(10)	6.35	± 0.49	(10)	6.32	± 0.36	(10)	6.67	± 0.22	(10)	6.20	± 0.36	(10)
Spleen															
Absolute (g)	0.667	± 0.023	(10) *	0.690	± 0.023	(10)	0.698	± 0.033	(10)	0.647	± 0.024	(10)	0.601	± 0.029	(10)
Relative (mg/g)	1.95	± 0.04	(10)	2.06	± 0.05	(10)	2.00	± 0.06	(10)	1.86	± 0.06	(10)	1.89	± 0.08	(10)
R. Testis															
Absolute (g)	1.789	± 0.027	(10) *	1.750	± 0.043	(10)	1.803	± 0.042	(10)	1.814	± 0.064	(10)	1.901	± 0.031	(10)
Relative (mg/g)	5.25	± 0.06	(10) **	5.23	± 0.10	(10)	5.18	± 0.10	(10)	5.21	± 0.09	(10)	6.00	± 0.08	(10) **
Thymus															
Absolute (g)	0.417	± 0.026	(10) **	0.394	± 0.018	(10)	0.429	± 0.021	(10)	0.390	± 0.019	(10)	0.300	± 0.015	(10) **
Relative (mg/g)	1.22	± 0.07	(10) **	1.17	± 0.03	(10)	1.23	± 0.06	(10)	1.12	± 0.04	(10)	0.94	± 0.04	(10) **
Thyroid gland															
Absolute (g)	0.0279	± 0.0011	(10)	0.0279	± 0.0015	(10)	0.0282	± 0.0018	(10)	0.0267	± 0.0010	(10)	0.0254	± 0.0012	(10)
Relative (mg/g)	0.08	± 0.00	(10)	0.08	± 0.00	(10)	0.08	± 0.00	(10)	0.08	± 0.00	(10)	0.08	± 0.00	(10)

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## PA06: Organ Weights Summary

Test Compound: Perfluorobutane sulfonate

CAS Number: 375-73-5

Date Report Requested: 07/06/2017

Time Report Requested: 06:52:14

Lab: Battelle

Females																		
Treatment Groups (mg/kg/day)																		
	0			62.6			125			250			500			1000		
Terminal Body Wt.	230.2	± 3.6	(10) **	229.5	± 3.1	(10)	223.8	± 3.6	(10)	224.3	± 2.7	(9)	212.5	± 3.7	(9) **	198.0	± 32.6	(2) **
R. Adrenal gland																		
Absolute (g)	0.0565 ± 0.0260 (10)			0.0319 ± 0.0008 (10)			0.0277 ± 0.0020 (10)			0.0317 ± 0.0015 (9)			0.0280 ± 0.0012 (9)			0.0320 ± 0.0030 (2)		
Relative (mg/g)	0.24 ± 0.11 (10)			0.14 ± 0.00 (10)			0.12 ± 0.01 (10)			0.14 ± 0.01 (9)			0.13 ± 0.01 (9)			0.16 ± 0.01 (2)		
Heart																		
Absolute (g)	0.86 ± 0.02 (10) **			0.86 ± 0.02 (10)			0.84 ± 0.02 (10)			0.80 ± 0.02 (9)			0.78 ± 0.02 (9) *			0.70 ± 0.05 (2) **		
Relative (mg/g)	3.73 ± 0.08 (10)			3.75 ± 0.07 (10)			3.76 ± 0.07 (10)			3.56 ± 0.07 (9)			3.68 ± 0.09 (9)			3.59 ± 0.34 (2)		
R. Kidney																		
Absolute (g)	0.67 ± 0.01 (10)			0.71 ± 0.02 (10)			0.70 ± 0.01 (10)			0.71 ± 0.02 (9)			0.69 ± 0.02 (9)			0.71 ± 0.12 (2)		
Relative (mg/g)	2.93 ± 0.05 (10) **			3.07 ± 0.04 (10) *			3.11 ± 0.04 (10) *			3.17 ± 0.08 (9) **			3.25 ± 0.05 (9) **			3.58 ± 0.02 (2) **		
Liver																		
Absolute (g)	7.79 ± 0.26 (10) **			8.14 ± 0.17 (10)			8.17 ± 0.20 (10)			9.39 ± 0.17 (9) **			10.49 ± 0.35 (9) **			14.64 ± 2.08 (2) **		
Relative (mg/g)	33.83 ± 0.90 (10) **			35.48 ± 0.46 (10)			36.46 ± 0.50 (10) *			41.87 ± 0.59 (9) **			49.32 ± 1.10 (9) **			74.22 ± 1.72 (2) **		
Lung																		
Absolute (g)	1.79 ± 0.09 (10) *			1.56 ± 0.09 (10)			1.86 ± 0.08 (10)			1.90 ± 0.09 (9)			2.00 ± 0.09 (9)			1.91 ± 0.10 (2)		
Relative (mg/g)	7.74 ± 0.27 (10) **			6.79 ± 0.34 (10)			8.30 ± 0.34 (10)			8.48 ± 0.39 (9)			9.39 ± 0.38 (9) **			9.83 ± 1.11 (2) *		
Spleen																		
Absolute (g)	0.591 ± 0.028 (10) **			0.586 ± 0.013 (10)			0.540 ± 0.022 (10)			0.556 ± 0.014 (9)			0.522 ± 0.012 (9) *			0.374 ± 0.055 (2) **		
Relative (mg/g)	2.56 ± 0.10 (10) **			2.56 ± 0.06 (10)			2.41 ± 0.09 (10)			2.48 ± 0.06 (9)			2.46 ± 0.03 (9)			1.89 ± 0.04 (2) **		
Thymus																		
Absolute (g)	0.288 ± 0.013 (10) **			0.273 ± 0.008 (10)			0.286 ± 0.015 (10)			0.274 ± 0.016 (9)			0.236 ± 0.013 (9) **			0.181 ± 0.005 (2) **		
Relative (mg/g)	1.25 ± 0.06 (10)			1.19 ± 0.03 (10)			1.28 ± 0.07 (10)			1.23 ± 0.08 (9)			1.11 ± 0.06 (9)			0.94 ± 0.13 (2)		
Thyroid gland																		
Absolute (g)	0.0228 ± 0.0011 (10)			0.0244 ± 0.0017 (10)			0.0229 ± 0.0017 (10)			0.0270 ± 0.0024 (9)			0.0260 ± 0.0017 (9)			0.0235 ± 0.0035 (2)		
Relative (mg/g)	0.10 ± 0.00 (10) *			0.11 ± 0.01 (10)			0.10 ± 0.01 (10)			0.12 ± 0.01 (9)			0.12 ± 0.01 (9)			0.12 ± 0.00 (2)		
Uterus																		
Absolute (g)	0.685 ± 0.061 (10) *			0.800 ± 0.067 (10)			0.836 ± 0.120 (10)			0.727 ± 0.070 (9)			0.580 ± 0.045 (9)			0.379 ± 0.100 (2)		
Relative (mg/g)	3.00 ± 0.30 (10)			3.49 ± 0.28 (10)			3.81 ± 0.61 (10)			3.25 ± 0.33 (9)			2.72 ± 0.20 (9)			1.88 ± 0.20 (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 \*\***