

Experiment Number: C91070B
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary
Test Compound: Perfluorooctanoic Acid
CAS Number: 335-67-1

Date Report Requested: 07/06/2017
Time Report Requested: 07:06:31
Lab: Battelle

C Number:	C91070B
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Male

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		Males																	
		Treatment Groups (mg/kg/day)																	
		0			0.625			1.25			2.5			5			10		
Terminal Body Wt.		346.5	± 5.3	(10) **	344.3	± 6.8	(10)	330.5	± 4.2	(10)	316.8	± 7.4	(10) **	303.8	± 8.0	(10) **	280.0	± 9.5	(10) **
R. Adrenal gland																			
	Absolute (g)	0.0205 ± 0.0010 (10)			0.0175 ± 0.0007 (10) *			0.0197 ± 0.0005 (10)			0.0187 ± 0.0007 (10)			0.0184 ± 0.0006 (10)			0.0193 ± 0.0004 (10)		
	Relative (mg/g)	0.06	± 0.00	(10) **	0.05	± 0.00	(10)	0.06	± 0.00	(10)	0.06	± 0.00	(10)	0.06	± 0.00	(10)	0.07	± 0.00	(10) **
Heart																			
	Absolute (g)	1.23	± 0.02	(10) **	1.21	± 0.04	(10)	1.14	± 0.02	(10) *	1.10	± 0.02	(10) **	1.07	± 0.03	(10) **	0.96	± 0.04	(10) **
	Relative (mg/g)	3.54	± 0.04	(10)	3.50	± 0.05	(10)	3.46	± 0.05	(10)	3.48	± 0.03	(10)	3.51	± 0.06	(10)	3.43	± 0.06	(10)
R. Kidney																			
	Absolute (g)	0.97	± 0.03	(10) *	1.07	± 0.02	(10)	1.13	± 0.03	(10) **	1.14	± 0.03	(10) **	1.09	± 0.02	(10) *	1.06	± 0.03	(10)
	Relative (mg/g)	2.80	± 0.06	(10) **	3.10	± 0.02	(10) **	3.41	± 0.06	(10) **	3.59	± 0.06	(10) **	3.59	± 0.06	(10) **	3.81	± 0.10	(10) **
Liver																			
	Absolute (g)	12.96	± 0.41	(10) **	14.94	± 0.32	(10) **	15.80	± 0.29	(10) **	16.44	± 0.64	(10) **	16.70	± 0.46	(10) **	17.22	± 0.38	(10) **
	Relative (mg/g)	37.34	± 0.72	(10) **	43.41	± 0.55	(10) **	47.80	± 0.54	(10) **	51.75	± 1.09	(10) **	55.01	± 0.89	(10) **	62.05	± 2.23	(10) **
Lung																			
	Absolute (g)	2.11	± 0.15	(10) **	2.12	± 0.11	(10)	1.94	± 0.08	(10)	1.99	± 0.09	(10)	1.86	± 0.07	(10)	1.66	± 0.06	(10) **
	Relative (mg/g)	6.06	± 0.39	(10)	6.13	± 0.21	(10)	5.85	± 0.22	(10)	6.28	± 0.22	(10)	6.14	± 0.17	(10)	5.96	± 0.27	(10)
Spleen																			
	Absolute (g)	0.704	± 0.020	(10) **	0.656	± 0.037	(10)	0.645	± 0.020	(10)	0.619	± 0.040	(10) *	0.581	± 0.022	(10) **	0.533	± 0.024	(10) **
	Relative (mg/g)	2.03	± 0.04	(10)	1.90	± 0.08	(10)	1.95	± 0.06	(10)	1.94	± 0.09	(10)	1.91	± 0.05	(10)	1.90	± 0.04	(10)
R. Testis																			
	Absolute (g)	1.826	± 0.027	(10) *	1.858	± 0.046	(10)	1.878	± 0.042	(10)	1.789	± 0.040	(10)	1.766	± 0.048	(10)	1.748	± 0.046	(10)
	Relative (mg/g)	5.28	± 0.08	(10) **	5.40	± 0.11	(10)	5.69	± 0.14	(10)	5.66	± 0.14	(10)	5.82	± 0.09	(10) **	6.29	± 0.22	(10) **
Thymus																			
	Absolute (g)	0.429	± 0.022	(10) *	0.419	± 0.015	(10)	0.420	± 0.019	(10)	0.415	± 0.031	(10)	0.385	± 0.031	(10)	0.318	± 0.035	(10) *
	Relative (mg/g)	1.24	± 0.06	(10)	1.21	± 0.03	(10)	1.27	± 0.06	(10)	1.30	± 0.08	(10)	1.26	± 0.08	(10)	1.11	± 0.10	(10)
Thyroid gland																			
	Absolute (g)	0.0209 ± 0.0010 (10)			0.0231 ± 0.0013 (10)			0.0245 ± 0.0017 (10)			0.0274 ± 0.0016 (10) **			0.0208 ± 0.0010 (10)			0.0214 ± 0.0014 (10)		
	Relative (mg/g)	0.06	± 0.00	(10) **	0.07	± 0.00	(10)	0.07	± 0.01	(10) **	0.09	± 0.00	(10) **	0.07	± 0.00	(10) **	0.08	± 0.00	(10) **

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LEGEND

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 ****