

**Experiment Number:** C20613

**Test Type:** TOX

**Route:** Oral Gavage

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

**C Number:**

C20613

**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:** Perfluorohexanoic acid

**CAS Number:** 307-24-4

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

**Time Report Requested:** 06:03:00

**Lab:** Battelle

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## PA06: Organ Weights Summary

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		Males																	
		Treatment Groups (mg/kg/day)																	
		0			62.6			125			250			500			1000		
Terminal Body Wt.		331.0	± 5.2	(10) **	339.8	± 5.1	(10)	326.2	± 9.3	(10)	327.3	± 4.7	(10)	318.9	± 7.2	(10)	287.0	± 8.2	(10) **
R. Adrenal gland																			
	Absolute (g)	0.0213 ± 0.0011 (10) *			0.0213 ± 0.0006 (10)			0.0195 ± 0.0010 (10)			0.0190 ± 0.0007 (10)			0.0178 ± 0.0007 (10) *			0.0197 ± 0.0010 (10)		
	Relative (mg/g)	0.06 ± 0.00 (10)			0.06 ± 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)	1.17 ± 0.03 (10) **			1.18 ± 0.03 (10)			1.14 ± 0.03 (10)			1.14 ± 0.02 (10)			1.11 ± 0.03 (10)			1.04 ± 0.02 (10) **		
	Relative (mg/g)	3.54 ± 0.06 (10)			3.46 ± 0.07 (10)			3.50 ± 0.07 (10)			3.48 ± 0.06 (10)			3.47 ± 0.07 (10)			3.64 ± 0.05 (10)		
R. Kidney																			
	Absolute (g)	1.01 ± 0.01 (10)			1.03 ± 0.03 (10)			1.01 ± 0.04 (10)			1.02 ± 0.03 (10)			1.09 ± 0.04 (10)			1.04 ± 0.03 (10)		
	Relative (mg/g)	3.04 ± 0.04 (10) **			3.04 ± 0.07 (10)			3.10 ± 0.03 (10)			3.11 ± 0.07 (10)			3.40 ± 0.09 (10) **			3.61 ± 0.04 (10) **		
Liver																			
	Absolute (g)	11.41 ± 0.28 (10) **			12.63 ± 0.85 (10)			12.01 ± 0.48 (10)			12.88 ± 0.22 (10)			14.49 ± 0.56 (10) **			16.19 ± 0.60 (10) **		
	Relative (mg/g)	34.44 ± 0.41 (10) **			37.26 ± 2.62 (10)			36.70 ± 0.50 (10)			39.35 ± 0.29 (10) **			45.33 ± 0.85 (10) **			56.35 ± 1.07 (10) **		
Lung																			
	Absolute (g)	1.84 ± 0.07 (10)			1.91 ± 0.11 (10)			1.81 ± 0.12 (10)			1.86 ± 0.06 (10)			1.94 ± 0.11 (10)			1.93 ± 0.08 (10)		
	Relative (mg/g)	5.56 ± 0.18 (10) **			5.62 ± 0.31 (10)			5.53 ± 0.29 (10)			5.70 ± 0.22 (10)			6.06 ± 0.30 (10)			6.74 ± 0.26 (10) **		
Spleen																			
	Absolute (g)	0.715 ± 0.024 (10)			0.709 ± 0.019 (10)			0.642 ± 0.018 (10)			0.664 ± 0.031 (10)			0.690 ± 0.029 (10)			0.800 ± 0.050 (10)		
	Relative (mg/g)	2.16 ± 0.05 (10)			2.09 ± 0.05 (10)			1.97 ± 0.05 (10)			2.03 ± 0.08 (10)			2.16 ± 0.08 (10)			2.79 ± 0.16 (10) **		
R. Testis																			
	Absolute (g)	1.815 ± 0.028 (10)			1.816 ± 0.048 (10)			1.746 ± 0.054 (10)			1.802 ± 0.032 (10)			1.818 ± 0.057 (10)			1.773 ± 0.048 (10)		
	Relative (mg/g)	5.49 ± 0.07 (10) **			5.35 ± 0.12 (10)			5.37 ± 0.15 (10)			5.51 ± 0.11 (10)			5.69 ± 0.08 (10)			6.19 ± 0.11 (10) **		
Thymus																			
	Absolute (g)	0.414 ± 0.025 (10) **			0.463 ± 0.032 (10)			0.407 ± 0.028 (10)			0.416 ± 0.024 (10)			0.411 ± 0.024 (10)			0.300 ± 0.012 (10) **		
	Relative (mg/g)	1.25 ± 0.06 (10) *			1.36 ± 0.09 (10)			1.24 ± 0.05 (10)			1.27 ± 0.07 (10)			1.28 ± 0.06 (10)			1.04 ± 0.02 (10)		
Thyroid gland																			
	Absolute (g)	0.0300 ± 0.0011 (10)			0.0306 ± 0.0018 (10)			0.0321 ± 0.0020 (10)			0.0325 ± 0.0021 (10)			0.0320 ± 0.0018 (10)			0.0308 ± 0.0017 (10)		
	Relative (mg/g)	0.09 ± 0.00 (10) *			0.09 ± 0.01 (10)			0.10 ± 0.01 (10)			0.10 ± 0.01 (10)			0.10 ± 0.01 (10)			0.11 ± 0.01 (10)		

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## PA06: Organ Weights Summary

Test Compound: Perfluorohexanoic acid

CAS Number: 307-24-4

Date Report Requested: 07/06/2017

Time Report Requested: 06:03:00

Lab: Battelle

## Females

## Treatment Groups (mg/kg/day)

	0			62.6			125			250			500			1000		
Terminal Body Wt.	225.1	± 2.8	(10)	226.6	± 2.0	(10)	229.2	± 4.4	(10)	228.4	± 4.7	(10)	222.9	± 2.9	(10)	220.1	± 4.3	(10)
R. Adrenal gland																		
Absolute (g)	0.0274 ± 0.0009 (10)			0.0254 ± 0.0008 (10)			0.0261 ± 0.0009 (10)			0.0289 ± 0.0012 (10)			0.0242 ± 0.0017 (10)			0.0276 ± 0.0012 (10)		
Relative (mg/g)	0.12 ± 0.00 (10)			0.11 ± 0.00 (10)			0.11 ± 0.00 (10)			0.13 ± 0.01 (10)			0.11 ± 0.01 (10)			0.13 ± 0.01 (10)		
Heart																		
Absolute (g)	0.82 ± 0.01 (10)			0.82 ± 0.02 (10)			0.85 ± 0.02 (10)			0.87 ± 0.02 (10)			0.81 ± 0.02 (10)			0.81 ± 0.02 (10)		
Relative (mg/g)	3.66 ± 0.06 (10)			3.64 ± 0.07 (10)			3.70 ± 0.04 (10)			3.82 ± 0.07 (10)			3.62 ± 0.05 (10)			3.70 ± 0.05 (10)		
R. Kidney																		
Absolute (g)	0.68 ± 0.02 (10) **			0.67 ± 0.01 (10)			0.69 ± 0.01 (10)			0.69 ± 0.01 (10)			0.69 ± 0.02 (10)			0.74 ± 0.01 (10) **		
Relative (mg/g)	3.02 ± 0.07 (10) **			2.95 ± 0.05 (10)			3.01 ± 0.06 (10)			3.02 ± 0.06 (10)			3.10 ± 0.08 (10)			3.37 ± 0.05 (10) **		
Liver																		
Absolute (g)	7.24 ± 0.15 (10) **			7.40 ± 0.19 (10)			7.53 ± 0.19 (10)			7.84 ± 0.21 (10)			8.26 ± 0.20 (10) **			10.44 ± 0.29 (10) **		
Relative (mg/g)	32.18 ± 0.74 (10) **			32.63 ± 0.67 (10)			32.82 ± 0.46 (10)			34.37 ± 0.94 (10)			37.06 ± 0.73 (10) **			47.45 ± 0.99 (10) **		
Lung																		
Absolute (g)	1.60 ± 0.04 (9)			1.43 ± 0.05 (10)			1.61 ± 0.05 (10)			1.55 ± 0.04 (10)			1.38 ± 0.05 (10) *			1.47 ± 0.06 (10)		
Relative (mg/g)	7.14 ± 0.22 (9)			6.29 ± 0.19 (10)			7.02 ± 0.24 (10)			6.83 ± 0.26 (10)			6.19 ± 0.23 (10) *			6.70 ± 0.33 (10)		
Spleen																		
Absolute (g)	0.569 ± 0.014 (10) *			0.569 ± 0.022 (10)			0.571 ± 0.036 (10)			0.565 ± 0.016 (10)			0.592 ± 0.011 (10)			0.631 ± 0.017 (10)		
Relative (mg/g)	2.53 ± 0.06 (10) **			2.51 ± 0.10 (10)			2.48 ± 0.12 (10)			2.47 ± 0.06 (10)			2.66 ± 0.07 (10)			2.87 ± 0.07 (10) **		
Thymus																		
Absolute (g)	0.286 ± 0.022 (10) *			0.299 ± 0.016 (10)			0.305 ± 0.014 (10)			0.301 ± 0.014 (10)			0.290 ± 0.016 (10)			0.232 ± 0.018 (10)		
Relative (mg/g)	1.27 ± 0.09 (10)			1.32 ± 0.07 (10)			1.33 ± 0.06 (10)			1.32 ± 0.06 (10)			1.30 ± 0.07 (10)			1.05 ± 0.07 (10)		
Thyroid gland																		
Absolute (g)	0.0229 ± 0.0021 (10)			0.0235 ± 0.0019 (10)			0.0254 ± 0.0018 (10)			0.0252 ± 0.0019 (10)			0.0257 ± 0.0015 (10)			0.0222 ± 0.0015 (10)		
Relative (mg/g)	0.10 ± 0.01 (10)			0.10 ± 0.01 (10)			0.11 ± 0.01 (10)			0.11 ± 0.01 (10)			0.12 ± 0.01 (10)			0.10 ± 0.01 (10)		
Uterus																		
Absolute (g)	0.839 ± 0.118 (10)			0.870 ± 0.163 (10)			0.785 ± 0.105 (10)			0.939 ± 0.100 (10)			0.969 ± 0.093 (10)			0.815 ± 0.199 (10)		
Relative (mg/g)	3.74 ± 0.56 (10)			3.80 ± 0.67 (10)			3.47 ± 0.50 (10)			4.13 ± 0.46 (10)			4.36 ± 0.44 (10)			3.67 ± 0.85 (10)		

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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 \*\***