

Experiment Number: C20614-01
Test Type: TOX
Route: Dosing in Feed
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 03/06/2018
Time Report Requested: 06:52:00
Lab: NTP

C Number:	C20614-01
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both

Experiment Number: C20614-01
Test Type: TOX
Route: Dosing in Feed
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 03/06/2018
Time Report Requested: 06:52:00
Lab: NTP

F1 Males: Non-Perinatal

	Treatment Groups (ppm)								
	0/0			0/150			0/300		
Terminal Body Wt.	425.9	± 10.4	(10) **	336.7	± 9.1	(10) **	234.4	± 20.4	(10) **
R. Adrenal gland									
Absolute (g)	0.0250	± 0.0012	(10) **	0.0199	± 0.0009	(10) **	0.0177	± 0.0006	(10) **
Relative (mg/g)	0.06	± 0.00	(10) **	0.06	± 0.00	(10)	0.08	± 0.01	(10) **
Heart									
Absolute (g)	1.45	± 0.03	(10) **	1.15	± 0.03	(10) **	0.83	± 0.06	(10) **
Relative (mg/g)	3.41	± 0.05	(10)	3.44	± 0.07	(10)	3.61	± 0.12	(10)
R. Kidney									
Absolute (g)	1.39	± 0.05	(10) **	1.33	± 0.03	(10)	0.96	± 0.08	(10) **
Relative (mg/g)	3.25	± 0.06	(10) **	3.95	± 0.08	(10) **	4.11	± 0.06	(10) **
Liver									
Absolute (g)	16.52	± 0.59	(10)	23.41	± 0.51	(10) **	19.57	± 0.98	(10) *
Relative (mg/g)	38.72	± 0.62	(10) **	69.90	± 2.13	(10) **	87.37	± 5.54	(10) **
Lung									
Absolute (g)	2.17	± 0.09	(10) **	1.79	± 0.06	(10) **	1.37	± 0.09	(10) **
Relative (mg/g)	5.09	± 0.17	(10) **	5.32	± 0.15	(10)	5.98	± 0.25	(10) **
Pituitary gland									
Absolute (g)	0.0161	± 0.0009	(10) **	0.0137	± 0.0006	(10) *	0.0099	± 0.0007	(10) **
Relative (mg/g)	0.04	± 0.00	(10)	0.04	± 0.00	(10)	0.04	± 0.00	(10)
Spleen									
Absolute (g)	0.805	± 0.031	(10) **	0.551	± 0.022	(10) **	0.373	± 0.038	(10) **
Relative (mg/g)	1.89	± 0.05	(10) **	1.63	± 0.03	(10) **	1.58	± 0.06	(10) **
R. Testis									
Absolute (g)	2.001	± 0.048	(10) *	2.009	± 0.046	(10)	1.731	± 0.091	(10) *
Relative (mg/g)	4.70	± 0.07	(10) **	6.00	± 0.19	(10) **	7.67	± 0.41	(10) **
Thymus									
Absolute (g)	0.369	± 0.015	(10) **	0.277	± 0.017	(10) **	0.187	± 0.027	(10) **
Relative (mg/g)	0.87	± 0.04	(10)	0.83	± 0.05	(10)	0.77	± 0.06	(10)

Experiment Number: C20614-01
Test Type: TOX
Route: Dosing in Feed
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 03/06/2018
Time Report Requested: 06:52:00
Lab: NTP

F1 Males: Non-Perinatal

Treatment Groups (ppm)

	0/0	0/150	0/300
Thyroid gland			
Absolute (g)	0.0293 ± 0.0019 (10) **	0.0265 ± 0.0019 (10)	0.0200 ± 0.0012 (10) **
Relative (mg/g)	0.07 ± 0.00 (10) *	0.08 ± 0.01 (10)	0.09 ± 0.01 (10) *

Experiment Number: C20614-01
Test Type: TOX
Route: Dosing in Feed
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 03/06/2018
Time Report Requested: 06:52:00
Lab: NTP

F1 Males: Perinatal

	Treatment Groups (ppm)								
	0/0			150/150			300/300		
Terminal Body Wt.	425.9	± 10.4	(10) **	325.3	± 13.8	(10) **	234.3	± 16.2	(10) **
R. Adrenal gland									
Absolute (g)	0.0250	± 0.0012	(10) **	0.0183	± 0.0007	(10) **	0.0161	± 0.0006	(10) **
Relative (mg/g)	0.06	± 0.00	(10)	0.06	± 0.00	(10)	0.07	± 0.01	(10) *
Heart									
Absolute (g)	1.45	± 0.03	(10) **	1.14	± 0.05	(10) **	0.87	± 0.06	(10) **
Relative (mg/g)	3.41	± 0.05	(10) **	3.49	± 0.04	(10)	3.75	± 0.07	(10) **
R. Kidney									
Absolute (g)	1.39	± 0.05	(10) **	1.28	± 0.06	(10)	0.92	± 0.06	(10) **
Relative (mg/g)	3.25	± 0.06	(10) **	3.95	± 0.14	(10) **	3.92	± 0.06	(10) **
Liver									
Absolute (g)	16.52	± 0.59	(10)	21.44	± 0.75	(10) **	18.69	± 0.59	(10) *
Relative (mg/g)	38.72	± 0.62	(10) **	66.55	± 2.62	(10) **	82.07	± 3.95	(10) **
Lung									
Absolute (g)	2.17	± 0.09	(10) **	1.75	± 0.09	(10) **	1.31	± 0.08	(10) **
Relative (mg/g)	5.09	± 0.17	(10) *	5.40	± 0.18	(10)	5.67	± 0.18	(10)
Pituitary gland									
Absolute (g)	0.0161	± 0.0009	(10) **	0.0125	± 0.0006	(10) **	0.0101	± 0.0008	(10) **
Relative (mg/g)	0.04	± 0.00	(10) *	0.04	± 0.00	(10)	0.04	± 0.00	(10)
Spleen									
Absolute (g)	0.805	± 0.031	(10) **	0.543	± 0.036	(10) **	0.395	± 0.038	(10) **
Relative (mg/g)	1.89	± 0.05	(10) *	1.66	± 0.07	(10) *	1.66	± 0.07	(10) *
R. Testis									
Absolute (g)	2.001	± 0.048	(10) **	2.029	± 0.041	(10)	1.761	± 0.068	(10) **
Relative (mg/g)	4.70	± 0.07	(10) **	6.31	± 0.23	(10) **	7.70	± 0.34	(10) **
Thymus									
Absolute (g)	0.369	± 0.015	(10) **	0.284	± 0.014	(10) **	0.208	± 0.026	(10) **
Relative (mg/g)	0.87	± 0.04	(10)	0.88	± 0.04	(10)	0.86	± 0.07	(10)

Experiment Number: C20614-01
Test Type: TOX
Route: Dosing in Feed
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 03/06/2018
Time Report Requested: 06:52:00
Lab: NTP

F1 Males: Perinatal

Treatment Groups (ppm)

0/0

150/150

300/300

Thyroid gland			
Absolute (g)	0.0293 ± 0.0019 (10) **	0.0231 ± 0.0014 (10) **	0.0211 ± 0.0013 (10) **
Relative (mg/g)	0.07 ± 0.00 (10) *	0.07 ± 0.01 (10)	0.09 ± 0.01 (10) *

Experiment Number: C20614-01
Test Type: TOX
Route: Dosing in Feed
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 03/06/2018
Time Report Requested: 06:52:00
Lab: NTP

F1 Females: Non-Perinatal

	Treatment Groups (ppm)								
	0/0			0/300			0/1000		
Terminal Body Wt.	255.2	± 4.5	(10) **	248.9	± 8.5	(10)	223.7	± 3.9	(10) **
R. Adrenal gland									
Absolute (g)	0.0301	± 0.0012	(10)	0.0276	± 0.0010	(10)	0.0283	± 0.0022	(10)
Relative (mg/g)	0.12	± 0.00	(10)	0.11	± 0.00	(10)	0.13	± 0.01	(10)
Heart									
Absolute (g)	0.94	± 0.03	(10) *	0.94	± 0.03	(10)	0.85	± 0.02	(10) *
Relative (mg/g)	3.67	± 0.08	(10)	3.79	± 0.12	(10)	3.82	± 0.09	(10)
R. Kidney									
Absolute (g)	0.82	± 0.02	(10) **	0.81	± 0.03	(10)	0.71	± 0.01	(10) **
Relative (mg/g)	3.19	± 0.05	(10)	3.25	± 0.07	(10)	3.19	± 0.07	(10)
Liver									
Absolute (g)	9.35	± 0.40	(10) **	9.78	± 0.32	(10)	12.70	± 0.36	(10) **
Relative (mg/g)	36.55	± 1.08	(10) **	39.34	± 0.61	(10)	56.78	± 1.33	(10) **
Lung									
Absolute (g)	1.65	± 0.05	(10) **	1.64	± 0.06	(10)	1.44	± 0.05	(10) **
Relative (mg/g)	6.47	± 0.17	(10)	6.58	± 0.15	(10)	6.42	± 0.19	(10)
Pituitary gland									
Absolute (g)	0.0184	± 0.0008	(10)	0.0180	± 0.0004	(10)	0.0164	± 0.0007	(10)
Relative (mg/g)	0.07	± 0.00	(10)	0.07	± 0.00	(10)	0.07	± 0.00	(10)
Spleen									
Absolute (g)	0.548	± 0.022	(10)	0.569	± 0.033	(10)	0.496	± 0.017	(10)
Relative (mg/g)	2.15	± 0.07	(10)	2.28	± 0.09	(10)	2.22	± 0.07	(10)
Thymus									
Absolute (g)	0.278	± 0.010	(10)	0.293	± 0.011	(10)	0.261	± 0.012	(10)
Relative (mg/g)	1.09	± 0.04	(10)	1.18	± 0.05	(10)	1.17	± 0.05	(10)
Thyroid gland									
Absolute (g)	0.0245	± 0.0014	(10)	0.0282	± 0.0019	(10)	0.0260	± 0.0016	(10)
Relative (mg/g)	0.10	± 0.01	(10)	0.11	± 0.01	(10)	0.12	± 0.01	(10)

Experiment Number: C20614-01
Test Type: TOX
Route: Dosing in Feed
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 03/06/2018
Time Report Requested: 06:52:00
Lab: NTP

F1 Females: Non-Perinatal

Treatment Groups (ppm)

	0/0	0/300	0/1000
Uterus			
Absolute (g)	0.789 ± 0.120 (10)	0.608 ± 0.057 (10)	0.544 ± 0.024 (10)
Relative (mg/g)	3.14 ± 0.51 (10)	2.47 ± 0.23 (10)	2.43 ± 0.10 (10)

Experiment Number: C20614-01
Test Type: TOX
Route: Dosing in Feed
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 03/06/2018
Time Report Requested: 06:52:00
Lab: NTP

F1 Females: Perinatal

	Treatment Groups (ppm)								
	0/0			150/300			300/1000		
Terminal Body Wt.	255.2	± 4.5	(10) **	242.3	± 7.1	(10)	223.4	± 8.4	(10) **
R. Adrenal gland									
Absolute (g)	0.0301	± 0.0012	(10)	0.0324	± 0.0029	(10)	0.0280	± 0.0015	(10)
Relative (mg/g)	0.12	± 0.00	(10)	0.13	± 0.01	(10)	0.13	± 0.01	(10)
Heart									
Absolute (g)	0.94	± 0.03	(10)	0.94	± 0.02	(10)	0.86	± 0.04	(10)
Relative (mg/g)	3.67	± 0.08	(10)	3.89	± 0.10	(10)	3.86	± 0.06	(10)
R. Kidney									
Absolute (g)	0.82	± 0.02	(10) *	0.79	± 0.02	(10)	0.73	± 0.03	(10) *
Relative (mg/g)	3.19	± 0.05	(10)	3.26	± 0.07	(10)	3.26	± 0.06	(10)
Liver									
Absolute (g)	9.35	± 0.40	(10) **	9.36	± 0.23	(10)	12.71	± 0.56	(10) **
Relative (mg/g)	36.55	± 1.08	(10) **	38.70	± 0.70	(10)	56.86	± 1.19	(10) **
Lung									
Absolute (g)	1.65	± 0.05	(10) **	1.52	± 0.05	(10)	1.42	± 0.04	(10) **
Relative (mg/g)	6.47	± 0.17	(10)	6.28	± 0.21	(10)	6.36	± 0.15	(10)
Pituitary gland									
Absolute (g)	0.0184	± 0.0008	(10) *	0.0177	± 0.0007	(10)	0.0156	± 0.0007	(10) *
Relative (mg/g)	0.07	± 0.00	(10)	0.07	± 0.00	(10)	0.07	± 0.00	(10)
Spleen									
Absolute (g)	0.548	± 0.022	(10)	0.561	± 0.024	(10)	0.486	± 0.025	(10)
Relative (mg/g)	2.15	± 0.07	(10)	2.31	± 0.05	(10)	2.17	± 0.06	(10)
Thymus									
Absolute (g)	0.278	± 0.010	(10)	0.278	± 0.012	(10)	0.246	± 0.014	(10)
Relative (mg/g)	1.09	± 0.04	(10)	1.15	± 0.04	(10)	1.10	± 0.04	(10)
Thyroid gland									
Absolute (g)	0.0245	± 0.0014	(10)	0.0253	± 0.0020	(10)	0.0243	± 0.0021	(10)
Relative (mg/g)	0.10	± 0.01	(10)	0.10	± 0.01	(10)	0.11	± 0.01	(10)

Experiment Number: C20614-01
Test Type: TOX
Route: Dosing in Feed
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 03/06/2018
Time Report Requested: 06:52:00
Lab: NTP

F1 Females: Perinatal

Treatment Groups (ppm)

0/0

150/300

300/1000

Uterus

Absolute (g)	0.789 ± 0.120 (10)	0.606 ± 0.052 (10)	0.780 ± 0.094 (10)
Relative (mg/g)	3.14 ± 0.51 (10)	2.54 ± 0.24 (10)	3.54 ± 0.45 (10)

Experiment Number: C20614-01
Test Type: TOX
Route: Dosing in Feed
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 03/06/2018
Time Report Requested: 06:52:00
Lab: NTP

LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted

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 Williams 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 $P \leq 0.01$

Statistically significant at $P \leq 0.05$ for male multiple comparisons of 0/150 to 150/150 and 0/300 to 300/300 using a t-Test with a Hommel p-value adjustment.

Statistically significant at $P \leq 0.01$ for male multiple comparisons of 0/150 to 150/150 and 0/300 to 300/300 using a t-Test with a Hommel p-value adjustment.

\$ Statistically significant at $P \leq 0.05$ for female multiple comparisons of 0/300 to 150/300 and 0/1000 to 300/3000 using a t-Test with a Hommel p-value adjustment.

\$\$ Statistically significant at $P \leq 0.01$ for female multiple comparisons of 0/300 to 150/300 and 0/1000 to 300/3000 using a t-Test with a Hommel p-value adjustment.

**** END OF REPORT ****