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

PA45: Liver Special Studies
Test Compound: Perfluorooctanoic Acid
CAS Number: 335-67-1

Date Report Requested: 03/06/2018
Time Report Requested: 12:04:28
Lab: NTP

F1 Male: Non-Perinatal

Terminal Sacrifice		Treatment Groups (ppm)		
		0/0	**0/150**	**0/300**
SD 109 - 109	Acyl-CoA Oxidase (nmol/min/mg)	2.212 ± 0.100 (5) **	21.160 ± 1.741 (5) **	24.360 ± 0.698 (5) **
SD 109 - 109	Aromatase (pmol/mg/min)	6.972 ± 1.212 (5)	14.292 ± 2.424 (5)	5.588 ± 2.135 (5)
SD 109 - 109	Acyl-CoA Protein (mg/ml)	30.54 ± 1.75 (5)	35.66 ± 2.28 (5)	27.94 ± 1.99 (5)
SD 109 - 109	Aromatase Protein (mg/ml)	12.50 ± 1.81 (5)	13.17 ± 2.08 (5)	12.06 ± 0.85 (5)

Experiment Number: C20614-01
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F1 Male: Perinatal

Terminal Sacrifice		Treatment Groups (ppm)		
		0/0	150/150	300/300
SD 109 - 109	Acyl-CoA Oxidase (nmol/min/mg)	2.212 ± 0.100 (5) **	21.360 ± 2.133 (5) **	25.340 ± 1.810 (5) **
SD 109 - 109	Aromatase (pmol/mg/min)	6.972 ± 1.212 (5)	11.602 ± 2.118 (5)	11.896 ± 2.696 (5)
SD 109 - 109	Acyl-CoA Protein (mg/ml)	30.54 ± 1.75 (5)	34.88 ± 3.97 (5)	27.98 ± 0.81 (5)
SD 109 - 109	Aromatase Protein (mg/ml)	12.50 ± 1.81 (5)	10.12 ± 0.86 (5)	12.28 ± 0.78 (5)

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

PA45: Liver Special Studies
Test Compound: Perfluorooctanoic Acid
CAS Number: 335-67-1

Date Report Requested: 03/06/2018
Time Report Requested: 12:04:28
Lab: NTP

F1 Female: Non-Perinatal

Terminal Sacrifice		Treatment Groups (ppm)		
		0/0	0/300	0/1000
SD 109 - 109	Acyl-CoA Oxidase (nmol/min/mg)	2.366 ± 0.106 (5) **	3.402 ± 0.300 (5) **	15.360 ± 0.375 (5) **
SD 109 - 109	Aromatase (pmol/mg/min)	1.590 ± 0.404 (5)	1.762 ± 0.302 (5)	1.710 ± 0.433 (5)
SD 109 - 109	Acyl-CoA Protein (mg/ml)	23.62 ± 1.17 (5) *	23.38 ± 1.89 (5)	28.74 ± 0.45 (5) *
SD 109 - 109	Aromatase Protein (mg/ml)	10.99 ± 2.05 (5) *	10.22 ± 0.33 (5)	12.18 ± 0.38 (5)

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

PA45: Liver Special Studies
Test Compound: Perfluorooctanoic Acid
CAS Number: 335-67-1

Date Report Requested: 03/06/2018
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Lab: NTP

F1 Female: Perinatal

Terminal Sacrifice		Treatment Groups (ppm)		
		0/0	150/300	300/1000
SD 109 - 109	Acyl-CoA Oxidase (nmol/min/mg)	2.366 ± 0.106 (5) **	3.300 ± 0.213 (5) **	12.980 ± 0.712 (5) **
SD 109 - 109	Aromatase (pmol/mg/min)	1.590 ± 0.404 (5)	2.672 ± 0.881 (5)	2.616 ± 0.572 (5)
SD 109 - 109	Acyl-CoA Protein (mg/ml)	23.62 ± 1.17 (5) *	21.66 ± 1.38 (5)	29.52 ± 0.90 (5) *
SD 109 - 109	Aromatase Protein (mg/ml)	10.99 ± 2.05 (5)	10.10 ± 0.48 (5)	11.50 ± 0.60 (5)

LEGEND

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

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

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

Statistical significance for the control group indicates a significant trend test

* Statistically significant at P <= 0.05

** Statistically significant at P <= 0.01

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

Statistically significant at P <= 0.05 for male multiple comparisons of 0/150 to 150/150 and 0/300 to 300/300 using a Wilcoxon rank-sum test with a Hommel p-value adjustment.

Statistically significant at P <= 0.01 for male multiple comparisons of 0/150 to 150/150 and 0/300 to 300/300 using a Wilcoxon rank-sum test with a Hommel p-value adjustment.

$ Statistically significant at P <= 0.05 for female multiple comparisons of 0/300 to 150/300 and 0/1000 to 300/1000 using a Wilcoxon rank-sum test with a Hommel p-value adjustment.

$$ Statistically significant at P <= 0.01 for female multiple comparisons of 0/300 to 150/300 and 0/1000 to 300/1000 using a Wilcoxon rank-sum test with a Hommel p-value adjustment.

** END OF REPORT **