

Experiment Number: C20615

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

C20615

Cage Range:

All

Date Range:

All

Reasons For Removal:

All

Removal Date Range:

All

Treatment Groups:

All

Study Gender:

Both

R06: Andrology Summary

Test Compound: Perfluorodecanoic Acid

CAS Number: 335-76-2

Date Report Requested: 03/30/2017

Time Report Requested: 12:39:51

Lab: Battelle

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Male

Generation	Litter ID	Terminal Sac	Cohort	Treatment Groups (mg/kg/day)			
				0	0.625	1.25	2.5
		SD 28 - 28	No. Examined	10	10	10	10
			Testis Weight (g)	1.786 ± 0.060 **	1.777 ± 0.031	1.730 ± 0.031	1.594 ± 0.047 **
			Testicular Spermatid Count (10 ⁶)	230.3 ± 12.5	208.2 ± 8.8	181.6 ± 10.7 *	217.0 ± 7.5
			Testicular Spermatid Count per mg Testis (10 ³ /mg)	129.8 ± 7.8	117.0 ± 3.8	104.8 ± 5.6 *	137.3 ± 6.3
			Percent Motile Sperm	85.7 ± 0.7	85.5 ± 1.0	84.1 ± 0.7	76.2 ± 7.8
			Epididymis Weight (g)	0.528 ± 0.015 **	0.508 ± 0.009	0.474 ± 0.013 *	0.407 ± 0.024 **
			Cauda Epididymis Weight (g)	0.184 ± 0.005 **	0.178 ± 0.004	0.164 ± 0.006 *	0.138 ± 0.009 **
			Cauda Epididymis Sperm Count (millions)	136.3 ± 10.2 **	120.8 ± 5.5	112.9 ± 7.3	95.7 ± 11.5 **
			Sperm Count per mg Cauda Epididymis (10 ³ /mg)	735.9 ± 41.8	678.6 ± 30.6	687.1 ± 36.4	672.9 ± 78.2

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LEGEND

Data are displayed as mean \pm SEM

Statistical analysis performed by Jonckheere (trend) and then a pairwise test. William/Dunnett pairwise tests are used for organ weights, Shirley/Dunn pairwise tests are used for all other endpoints.

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

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

**** END OF REPORT ****