

Experiment Number: C04049

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

C04049

Cage Range:

All

Date Range:

All

Reasons For Removal:

All

Removal Date Range:

All

Treatment Groups:

All

Study Gender:

Male

R06: Andrology Summary

Test Compound: Perfluorononanoic Acid

CAS Number: 375-95-1

Date Report Requested: 03/30/2017

Time Report Requested: 13:07:43

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)	1.885 ± 0.041 **	1.820 ± 0.035	1.762 ± 0.031 *	1.507 ± 0.052 **
			Testicular Spermatid Count (10 ⁶)	230.2 ± 10.7	192.5 ± 7.1 *	220.8 ± 10.8	205.1 ± 9.5
			Testicular Spermatid Count per mg Testis (10 ³ /mg)	121.9 ± 4.3 *	105.8 ± 3.6	125.3 ± 5.8	136.4 ± 5.3
			Percent Motile Sperm	85.2 ± 0.5	85.9 ± 0.4	86.4 ± 0.7	85.8 ± 0.6
			Epididymis Weight (g)	0.555 ± 0.013 **	0.515 ± 0.010 *	0.482 ± 0.005 **	0.363 ± 0.022 **
			Cauda Epididymis Weight (g)	0.195 ± 0.005 **	0.189 ± 0.005	0.173 ± 0.004 **	0.130 ± 0.008 **
			Cauda Epididymis Sperm Count (millions)	142.3 ± 9.4 **	136.2 ± 7.9	116.0 ± 6.3 *	98.1 ± 9.0 **
			Sperm Count per mg Cauda Epididymis (10 ³ /mg)	731.2 ± 49.2	725.7 ± 47.7	674.4 ± 40.4	753.5 ± 47.2

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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 ****