

**Experiment Number:** C91070B

**Test Type:** TOX

**Route:** Oral Gavage

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

**C Number:**

C91070B

**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:** Perfluorooctanoic Acid

**CAS Number:** 335-67-1

**Date Report Requested:** 03/30/2017

**Time Report Requested:** 13:07:30

**Lab:** Battelle

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**R06: Andrology Summary**  
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Male

Generation	Litter ID	Terminal Sac	Cohort	Treatment Groups (mg/kg/day)			
				0	2.5	5	10
		SD 28 - 28	No. Examined	10	10	10	10
			Testis Weight (g)	1.866 ± 0.033	1.798 ± 0.049	1.834 ± 0.051	1.755 ± 0.036
			Testicular Spermatid Count (10 <sup>6</sup> )	234.2 ± 9.9	229.6 ± 7.0	240.5 ± 8.2	223.4 ± 8.2
			Testicular Spermatid Count per mg Testis (10 <sup>3</sup> /mg)	125.5 ± 4.6	128.5 ± 5.2	131.1 ± 2.2	127.6 ± 4.9
			Percent Motile Sperm	86.6 ± 0.8	86.1 ± 0.9	85.5 ± 0.7	85.2 ± 0.6
			Epididymis Weight (g)	0.523 ± 0.012 **	0.506 ± 0.012	0.492 ± 0.012	0.474 ± 0.012 **
			Cauda Epididymis Weight (g)	0.192 ± 0.006 **	0.187 ± 0.005	0.170 ± 0.003 **	0.171 ± 0.005 **
			Cauda Epididymis Sperm Count (millions)	109.0 ± 6.9 *	98.1 ± 6.2	107.4 ± 7.3	83.0 ± 5.5 *
			Sperm Count per mg Cauda Epididymis (10 <sup>3</sup> /mg)	572.0 ± 41.4	524.3 ± 31.0	630.8 ± 41.1	486.6 ± 29.8

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## LEGEND

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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 \*\***