

**Study Number:** C06100

**Test Type:** TOX

**Route:** Oral Gavage

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

**C Number:**

**Study Gender:**

**PWG Approval Date**

**R07: Hormone Summary**

**Test Compound:** Perfluorohexane sulfonate potassium salt

**CAS Number:** 3871-99-6

C06100

Female

See web page for date of PWG Approval

**Date Report Requested:** 01/17/2019

**Time Report Requested:** 08:03:25

**Lab:** Battelle

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Terminal Sacrifice	Treatment Groups (mg/kg/day)			
	0	3.12	6.25	12.5
SD 28 - 28 Testosterone (ng/mL)	0.310 ± 0.024 (10)	0.344 ± 0.089 (4)	0.362 ± 0.019 (10)	0.380 ± 0.028 (10)
SD 28 - 28 Thyroid Stimulating Hormone (ng/mL)	12.397 ± 0.888 (10) *	15.873 ± 1.575 (6) *	15.720 ± 1.636 (10)	17.458 ± 1.936 (10)
SD 28 - 28 Triiodothyronine (ng/dL)	111.827 ± 7.598 (10)	100.743 ± 4.019 (6)	99.054 ± 7.293 (10)	96.710 ± 6.356 (10)
SD 28 - 28 Free Thyroxine (ng/dL)	1.522 ± 0.103 (10)	1.317 ± 0.155 (4)	1.275 ± 0.126 (10)	1.009 ± 0.054 (10)
SD 28 - 28 Total Thyroxine (ug/dL)	3.99 ± 0.19 (10)	3.53 ± 0.26 (4)	3.37 ± 0.17 (10)	2.97 ± 0.11 (10)

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**Terminal  
Sacrifice**

**Treatment Groups (mg/kg/day)**

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**25**

**50**

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SD 28 - 28	Testosterone (ng/mL)	0.339 ± 0.020 (10)	0.399 ± 0.037 (10)
SD 28 - 28	Thyroid Stimulating Hormone (ng/mL)	14.021 ± 1.036 (10)	14.500 ± 1.128 (10)
SD 28 - 28	Triiodothyronine (ng/dL)	96.891 ± 6.043 (10)	91.507 ± 5.492 (10)
SD 28 - 28	Free Thyroxine (ng/dL)	1.065 ± 0.093 (10)	0.938 ± 0.080 (10)
SD 28 - 28	Total Thyroxine (ug/dL)	2.96 ± 0.19 (10)	2.69 ± 0.14 (10)

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## LEGEND

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Data are displayed as mean  $\pm$  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  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

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

**\*\* END OF REPORT \*\***