

Study Number: C06100

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Gender:

PWG Approval Date:

Version:

Stat Version:

R07: Hormone Summary

Test Compound: Perfluorohexane sulfonate potassium salt

CAS Number: 3871-99-6

C06100

Female

See web page for date of PWG Approval

v1.3.5

v2.7.9A

Date Report Requested: 01/18/2022

Time Report Requested: 09:45:10

Lab: Battelle

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Terminal Sacrifice	Treatment Groups (mg/kg/day)			
	0	3.12	6.25	12.5
SD 29 - 29 Testosterone (ng/mL)	0.310 ± 0.024 (10)	0.363 ± 0.036 (10)	0.362 ± 0.019 (10)	0.380 ± 0.028 (10)
SD 29 - 29 Thyroid Stimulating Hormone (ng/mL)	12.397 ± 0.888 (10)	15.658 ± 1.065 (10)	15.720 ± 1.636 (10)	17.458 ± 1.936 (10)
SD 29 - 29 Triiodothyronine (ng/dL)	111.827 ± 7.598 (10)	98.891 ± 4.939 (10)	99.054 ± 7.293 (10)	96.710 ± 6.356 (10)
SD 29 - 29 Free Thyroxine (ng/dL)	1.522 ± 0.103 (10) **	1.323 ± 0.097 (10)	1.275 ± 0.126 (10)	1.009 ± 0.054 (10) **
SD 29 - 29 Total Thyroxine (ug/dL)	3.99 ± 0.19 (10) **	3.53 ± 0.20 (10)	3.37 ± 0.17 (10) *	2.97 ± 0.11 (10) **

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**Terminal
Sacrifice**

Treatment Groups (mg/kg/day)

25

50

SD 29 - 29	Testosterone (ng/mL)	0.339 ± 0.020 (10)	0.399 ± 0.037 (10)
SD 29 - 29	Thyroid Stimulating Hormone (ng/mL)	14.021 ± 1.036 (10)	14.500 ± 1.128 (10)
SD 29 - 29	Triiodothyronine (ng/dL)	96.891 ± 6.043 (10)	91.507 ± 5.492 (10)
SD 29 - 29	Free Thyroxine (ng/dL)	1.065 ± 0.093 (10) **	0.938 ± 0.080 (10) **
SD 29 - 29	Total Thyroxine (ug/dL)	2.96 ± 0.19 (10) **	2.69 ± 0.14 (10) **

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

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

Statistical analysis was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

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

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****