

Study Number: C20712-01

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

Study Gender:

PWG Approval Date

R06: Andrology Summary

Test Compound: Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

C20712-01

Both

See web page for date of PWG Approval

Date Report Requested: 04/12/2019

Time Report Requested: 06:43:30

Lab: NTP

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R06: Andrology Summary

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Male

Generation	Litter ID	Terminal Sac	Cohort	Treatment Groups (ppm)			
				0	2500	5000	10000
F1		SD 95 - 95	No. Examined (Litters)	10 (5)	10 (5)	10 (5)	9 (5)
			Testis Weight (g)	2.100 ± 0.027	1.973 ± 0.062	1.957 ± 0.062	1.999 ± 0.043
			Testicular Spermatid Count (10 ⁶)	308.5 ± 15.7	315.5 ± 13.1	292.7 ± 7.5	292.3 ± 15.7
			Testicular Spermatid Count per g Testis (10 ⁶ /g)	146.7 ± 5.8	160.3 ± 4.5	150.4 ± 5.3	146.6 ± 8.1
			Percent Motile Sperm	88.1 ± 0.7	88.1 ± 0.5	88.1 ± 0.2	87.6 ± 0.2
			Epididymis Weight (g)	0.626 ± 0.009	0.560 ± 0.012 **	0.563 ± 0.015 **	0.579 ± 0.010 *
			Cauda Epididymis Weight (g)	0.218 ± 0.008	0.185 ± 0.011 *	0.201 ± 0.008	0.212 ± 0.007
			Cauda Epididymis Sperm Count (millions)	130.4 ± 2.8	112.0 ± 7.6	124.5 ± 6.6	144.4 ± 7.5
			Sperm Count per mg Cauda Epididymis (10 ³ /mg)	599.4 ± 9.4 *	604.2 ± 9.2	619.2 ± 21.9	678.8 ± 15.6 *

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LEGEND

Data are displayed as the means and standard errors of the litter means.

Statistical analysis for percent and count data was performed using a bootstrapped Jonckheere test for trend, and a Data-Satten modified Wilcoxon test with Hommel adjustment for pairwise comparisons.

Statistical analysis of weight data with litter-mates was performed by linear mixed models, with dam ID as random effect for both trend and pairwise analysis, and using Dunnett-Hsu adjustment for pairwise comparisons.

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 $P \leq 0.01$

All values for one male in the 10000 ppm group were removed from the dataset due to implausible readings in multiple endpoints.

**** END OF REPORT ****