

Study Number: MOG003B

Test Type: MOG

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

C Number:

Study Gender:

PWG Approval Date

R06: Andrology Summary

Test Compound: 2-Ethylhexyl p-Methoxycinnamate

CAS Number: 5466-77-3

MOG003B

Both

See web page for date of PWG Approval

Date Report Requested: 01/14/2020

Time Report Requested: 12:12:50

Lab: RTI

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R06: Andrology Summary

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Male

Generation	Terminal Sac	Cohort	Treatment Groups (ppm)				
			0	1000	3000	6000	
F1	PND 160 - 167	Fertility Males	No. Examined (Litters)	36 (21)	46 (24)	35 (19)	37 (22)
			Testis Weight (g)	2.051 ± 0.028	2.041 ± 0.031	2.007 ± 0.036	2.086 ± 0.032
			Spermatid Head Count (millions)	249.6 ± 8.9	256.5 ± 8.4	252.5 ± 9.3	253.1 ± 5.4
			Spermatid Head Concentration (millions/gram tissue)	121.8 ± 4.1	125.5 ± 3.3	126.2 ± 4.6	121.5 ± 3.0
			Percent Motile Sperm	53.7 ± 2.8	56.2 ± 2.9	51.2 ± 2.6	55.4 ± 1.9
			Percent Progressively Motile Sperm	41.4 ± 2.2	42.4 ± 2.3	40.2 ± 2.2	43.6 ± 1.6
			Epididymis Weight (g)	0.678 ± 0.010	0.690 ± 0.011	0.681 ± 0.012	0.693 ± 0.008
			Cauda Epididymis Weight (g)	0.258 ± 0.005 *	0.260 ± 0.005	0.259 ± 0.005	0.273 ± 0.005
			Cauda Epididymis Sperm Count (millions)	190.1 ± 6.1	190.3 ± 5.4	170.7 ± 7.0	195.0 ± 6.7
			Cauda Epididymis Sperm Concentration (millions/gram tissue)	738.0 ± 22.1	734.0 ± 17.5	658.6 ± 23.6	715.4 ± 22.2

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LEGEND

Data are displayed as mean of litter means \pm SEM of 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 $P \leq 0.01$

**** END OF REPORT ****