

**Study Number:** MOG003B

**Test Type:** MOG

**Route:** Dosing in Feed

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

**C Number:**

**Study Gender:**

**PWG Approval Date**

**R09: Uterine Content 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:** 12:16:42

**Lab:** RTI

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**F1 Females: Prenatal Female**

**Treatment Groups (ppm)**

**0**

**1000**

**3000**

**6000**

**Pregnancy Summary**

Paired Females	21	23	19	22
Mated Females	19	21	18	20
Pregnant Females	19	18	15	16
Pregnant Females Examined on GD 21	19	18	12	16

**Pre-implantation Loss**

Corpora lutea per Female	17.74 ± 0.73 (19)	16.22 ± 0.55 (18)	18.71 ± 0.61 (14)	17.50 ± 0.74 (16)
Implantations per Female	15.21 ± 0.68 (19)	13.11 ± 1.19 (18)	15.75 ± 0.51 (12)	14.19 ± 0.88 (16)
Percent Pre-Implantation Loss	13.60 ± 3.52 (19)	21.73 ± 6.42 (18)	14.11 ± 2.65 (12)	18.54 ± 4.59 (16)

**Intra-uterine Deaths**

Number of Early Resorptions	6	6	5	9
Early Resorptions per Litter	0.32 ± 0.13 (19)	0.33 ± 0.18 (18)	0.42 ± 0.19 (12)	0.56 ± 0.16 (16)
Number of Late Resorptions	0	1	0	0
Late Resorptions per Litter	0.00 ± 0.00 (19)	0.06 ± 0.06 (18)	0.00 ± 0.00 (12)	0.00 ± 0.00 (16)
Total Resorptions per Litter	0.32 ± 0.13 (19)	0.39 ± 0.18 (18)	0.42 ± 0.19 (12)	0.56 ± 0.16 (16)
Whole Litter Resorptions	0	1	0	0
Number of Dead Fetuses	0	0	1	0
Dead Fetuses per Litter	0.00 ± 0.00 (19)	0.00 ± 0.00 (18)	0.08 ± 0.08 (12)	0.00 ± 0.00 (16)
Percent Post-Implantation Loss	1.89 ± 0.80 (19)	10.00 ± 6.24 (18)	3.21 ± 1.28 (12)	4.78 ± 1.48 (16)

**Live Fetuses**

Number of Live Fetuses	283	229	183	218
Live Fetuses per Litter	14.89 ± 0.65 (19)	13.47 ± 1.11 (17)	15.25 ± 0.54 (12)	13.63 ± 0.93 (16)
Live Male Fetuses per Litter	7.63 ± 0.49 (19)	6.47 ± 0.59 (17)	6.75 ± 0.57 (12)	7.13 ± 0.53 (16)
Live Female Fetuses per Litter	7.26 ± 0.55 (19)	7.00 ± 0.66 (17)	8.50 ± 0.51 (12)	6.50 ± 0.58 (16)
Percent Live Male Fetuses per Litter	51.75 ± 2.73 (19)	48.57 ± 2.11 (17)	44.06 ± 3.30 (12)	53.49 ± 2.62 (16)

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**F1 Females: Prenatal Female**

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**Treatment Groups (ppm)**

	<b>0</b>	<b>1000</b>	<b>3000</b>	<b>6000</b>
<b>Fetal Weight</b>				
Fetal Weight per Litter (g)	5.10 ± 0.08 (19)	5.07 ± 0.09 (17)	4.97 ± 0.06 (12)	4.97 ± 0.08 (16)
Male Fetal Weight per Litter (g)	5.26 ± 0.08 (19)	5.19 ± 0.10 (17)	5.07 ± 0.08 (12)	5.12 ± 0.09 (16)
Female Fetal Weight per Litter (g)	4.94 ± 0.08 (19)	4.97 ± 0.08 (17)	4.88 ± 0.05 (12)	4.80 ± 0.08 (16)
<b>Fetal Weight (adjusted)</b>				
Fetal Weight per Litter (g)	5.13 ± 0.07 (19)	5.03 ± 0.08 (17)	5.02 ± 0.06 (12)	4.94 ± 0.06 (16)
Male Fetal Weight per Litter (g)	5.29 ± 0.07 (19)	5.16 ± 0.10 (17)	5.06 ± 0.09 (12)	5.12 ± 0.08 (16)
Female Fetal Weight per Litter (g)	4.94 ± 0.07 (19)	4.95 ± 0.06 (17)	4.96 ± 0.04 (12)	4.75 ± 0.08 (16)
<b>Gravid Uterus Weight</b>				
Gravid Uterus Weight (g)	105.57 ± 3.94 (19)	90.37 ± 8.39 (18)	105.90 ± 3.18 (12)	95.98 ± 5.59 (16)
Terminal Body Weight (g)	414.4 ± 7.8 (19)	397.6 ± 9.9 (18)	410.4 ± 6.0 (12)	397.9 ± 7.3 (16)
Adjusted Body Weight (g)	308.85 ± 6.13 (19)	307.22 ± 5.12 (18)	304.54 ± 4.79 (12)	301.96 ± 4.60 (16)

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## LEGEND

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Values are reported per litter as mean  $\pm$  SEM (N)

Calculated values do not include non-pregnant animals, those that did not survive to terminal sacrifice, or those that delivered prior to c-section being performed.

Fetal weight endpoints and percent live male fetuses endpoints are the mean values of the litter means.

Dams that had whole litter resorptions are not included in the litter analysis.

Unsexed fetuses were included for litter size calculations but were excluded from fetal weight calculations and from the percent male calculation.

Dams where the number of implants was greater than the number of corpora lutea were assigned a percent pre-implantation loss of 0.

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  $P \leq 0.01$

Statistical analysis for Pregnancy Summary endpoints was performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests.

Statistical analysis for Pre-implantation Loss and Live Fetuses endpoints was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Whole litter resorptions analyzed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests. All "per litter" and pre-implantation loss endpoints analyzed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical analysis for the Fetal Weight and Gravid Uterus Weight endpoints was performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Fetal Weight (adjusted) is fetal weights adjusted for litter size. Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

All Cochran-Armitage (trend) and Fisher Exact (pairwise) are reported as two-sided tests.

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