

Experiment Number: R20084C

Test Type: Teratology

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

R20084C

Cage Range:

All

Date Range:

All

Reasons For Removal:

All

Removal Date Range:

All

Treatment Groups:

All

Study Gender:

Female

R09: Uterine Content Summary

Test Compound: Dimethylethanolamine

CAS Number: 108-01-0

Date Report Requested: 12/16/2016

Time Report Requested: 13:40:43

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	Female			
	Treatment Groups (mg/kg/day)			
	0	250	500	1000
Pregnancy Summary (a)				
Paired Females	25	25	25	25
Mated Females	25	25	25	25
Pregnant Females	20	20	20	24
Pregnant Females Examined on GD 21	19	20	20	22
Pre-implantation Loss (b)				
Corpora lutea per Female	15.74 ± 0.57 (19)	15.85 ± 0.45 (20)	16.70 ± 0.73 (20)	15.86 ± 0.64 (22)
Implantations per Female	11.47 ± 1.11 (19)	13.75 ± 0.54 (20)	13.50 ± 0.60 (20)	12.45 ± 0.87 (22)
Percent Pre-Implantation Loss	26.98 ± 7.01 (19)	12.86 ± 3.36 (20)	17.97 ± 3.64 (20)	21.78 ± 5.14 (22)
Intra-uterine Deaths (c)				
Number of Early Resorptions	9	10	10	14
Early Resorptions per Litter	0.47 ± 0.12 (19)	0.50 ± 0.20 (20)	0.50 ± 0.17 (20)	0.64 ± 0.26 (22)
Number of Late Resorptions	0	0	0	0
Late Resorptions per Litter	0.00 ± 0.00 (19)	0.00 ± 0.00 (20)	0.00 ± 0.00 (20)	0.00 ± 0.00 (22)
Total Resorptions per Litter	0.47 ± 0.12 (19)	0.50 ± 0.20 (20)	0.50 ± 0.17 (20)	0.64 ± 0.26 (22)
Whole Litter Resorptions	0	0	0	0
Number of Dead Fetuses	0	0	0	11
Dead Fetuses per Litter	0.00 ± 0.00 (19)	0.00 ± 0.00 (20)	0.00 ± 0.00 (20)	0.50 ± 0.50 (22)
Percent Post-Implantation Loss	5.05 ± 1.57 (19)	3.80 ± 1.53 (20)	3.45 ± 1.10 (20)	11.17 ± 5.56 (22)
Live Fetuses (b)				
Number of Live Fetuses	209	265	260	249
Live Fetuses per Litter	11.00 ± 1.12 (19)	13.25 ± 0.60 (20)	13.00 ± 0.56 (20)	11.32 ± 1.07 (22)
Live Male Fetuses per Litter	5.21 ± 0.68 (19)	6.10 ± 0.55 (20)	6.10 ± 0.55 (20)	5.77 ± 0.67 (22)
Live Female Fetuses per Litter	5.79 ± 0.69 (19)	7.15 ± 0.50 (20)	6.90 ± 0.48 (20)	5.55 ± 0.60 (22)
Percent Live Male Fetuses per Litter	47.53 ± 5.21 (19)	44.76 ± 3.98 (20)	46.61 ± 3.23 (20)	50.42 ± 4.39 (21)

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	Female			
	Treatment Groups (mg/kg/day)			
	0	250	500	1000
Fetal Weight (d)				
Fetal Weight per Litter (g)	5.38 ± 0.15 (19)	5.26 ± 0.05 (20)	5.33 ± 0.06 (20)	5.40 ± 0.09 (21)
Male Fetal Weight per Litter (g)	5.44 ± 0.16 (18)	5.37 ± 0.05 (19)	5.50 ± 0.06 (20)	5.51 ± 0.09 (20)
Female Fetal Weight per Litter (g)	5.15 ± 0.12 (18)	5.14 ± 0.06 (20)	5.18 ± 0.07 (20)	5.21 ± 0.08 (20)
Fetal Weight (adjusted) (e)				
Fetal Weight per Litter (g)	5.15 ± 0.03 (209) **	5.25 ± 0.02 (265) **	5.31 ± 0.02 (260) **	5.29 ± 0.03 (249) **
Male Fetal Weight per Litter (g)	5.32 ± 0.05 (99) **	5.40 ± 0.03 (122)	5.46 ± 0.03 (122) *	5.44 ± 0.04 (127) *
Female Fetal Weight per Litter (g)	4.99 ± 0.04 (110) **	5.14 ± 0.03 (143) **	5.18 ± 0.03 (138) **	5.13 ± 0.03 (122) **
Gravid Uterus Weight (f)				
Gravid Uterus Weight (g)	80.18 ± 7.36 (19)	95.85 ± 3.93 (20)	96.17 ± 3.82 (20)	85.25 ± 6.38 (22)
Terminal Body Weight (g)	359.6 ± 8.8 (19)	375.2 ± 5.3 (20)	380.3 ± 5.1 (20)	361.4 ± 8.5 (22)
Adjusted Body Weight (g)	279.42 ± 3.68 (19)	279.34 ± 3.77 (20)	284.12 ± 2.90 (20)	276.17 ± 4.59 (22)

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LEGEND

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

Calculated values do not include non-pregnant animals and those that did not survive to terminal sacrifice

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

Statistical significance for the control group indicates a significant trend test

(a) Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests

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

(c) Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests or Cochran-Armitage (trend) and Fisher Exact (pairwise) tests

(d) Statistical analysis performed using the Random Effects Model (trend and pairwise)

(e) Litter weights adjusted for litter size. Statistical analysis performed by Jonckheere (trend) and William or Dunnett (pairwise) tests

(f) Statistical analysis performed by Jonckheere (trend) and William or Dunnett (pairwise) tests

**** END OF REPORT ****