C Number:	R14001B
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Female

Experiment Number: R14001B
Test Type: Teratology
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

R09: UTERINE CONTENT SUMMARY
Test Compound: 4-Methylcyclohexanemethanol

Date Report Requested: 10/29/2015
Time Report Requested: 11:56:55
Lab: Southern Research

Female

	Treatment Groups (mg/kg/day)				
	0	**50**	**100**	**200**	**400**
Pregnancy Summary (a)					
Mated Females	25	25	25	25	25
Pregnant Females	23	21	22	19	21
Pregnant females examined on GD 21	23	21	22	19	21
Pre-implantation Loss (b)					
Corpora lutea per female	17.17 ± 0.43 (23)	16.67 ± 0.85 (21)	17.50 ± 0.70 (22)	18.47 ± 1.11 (19)	16.81 ± 0.63 (21)
Implantations per female	13.83 ± 0.55 (23)	14.33 ± 0.37 (21)	13.23 ± 0.69 (22)	13.74 ± 0.80 (19)	13.05 ± 0.74 (21)
Percent pre-implantation loss	19.07	11.07	23.54	22.78	22.13
Intra-uterine Deaths (c)					
Number of Early Resorptions	21	16	12	14	20
Early resorptions per litter	0.91 ± 0.21 (23)	0.76 ± 0.28 (21)	0.55 ± 0.14 (22)	0.74 ± 0.27 (19)	0.95 ± 0.30 (21)
Number of Late Resorptions	1	2	0	0	0
Late resorptions per litter	0.04 ± 0.04 (23)	0.10 ± 0.10 (21)	0.00 ± 0.00 (22)	0.00 ± 0.00 (19)	0.00 ± 0.00 (21)
Total Resorptions per litter	0.96 ± 0.20 (23)	0.86 ± 0.36 (21)	0.55 ± 0.14 (22)	0.74 ± 0.27 (19)	0.95 ± 0.30 (21)
Whole litter Resorptions	0	0	1	0	0
Number of Dead Fetuses	0	0	0	0	0
Dead Fetuses per litter	0.00 ± 0.00 (23)	0.00 ± 0.00 (21)	0.00 ± 0.00 (22)	0.00 ± 0.00 (19)	0.00 ± 0.00 (21)
Percent post-implantation Loss	8.02	6.54	8.09	5.18	7.76
Live Fetuses (b)					
Number of Live Fetuses	296	283	279	247	254
Live fetuses per litter	12.87 ± 0.64 (23)	13.48 ± 0.58 (21)	12.68 ± 0.71 (22)	13.00 ± 0.81 (19)	12.10 ± 0.79 (21)
Live male fetuses per litter	6.26 ± 0.41 (23)	7.14 ± 0.59 (21)	7.05 ± 0.67 (22)	6.26 ± 0.64 (19)	6.05 ± 0.49 (21)
Live female fetuses per litter	6.61 ± 0.42 (23)	6.33 ± 0.51 (21)	5.64 ± 0.51 (22)	6.74 ± 0.58 (19)	6.05 ± 0.56 (21)
Percent live male fetuses per litter	49.89	51.95	54.80	49.29	51.02

Experiment Number: R14001B
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R09: UTERINE CONTENT SUMMARY
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Female

	Treatment Groups (mg/kg/day)				
	0	**50**	**100**	**200**	**400**
Fetal Weight (d)					
Fetal weight per litter(g)	5.14 ± 0.07 (23) **	5.16 ± 0.08 (21)	5.14 ± 0.07 (21)	4.98 ± 0.09 (19)	4.39 ± 0.09 (21) **
Male fetal weight per litter(g)	5.28 ± 0.06 (23) **	5.30 ± 0.08 (21)	5.28 ± 0.07 (21)	5.12 ± 0.09 (19)	4.46 ± 0.09 (21) **
Female fetal weight per litter(g)	4.99 ± 0.07 (22) **	5.00 ± 0.08 (21)	4.98 ± 0.07 (21)	4.82 ± 0.09 (18)	4.34 ± 0.12 (21) **
Fetal Weight (adjusted) (e)					
Fetal weight per litter(g)	5.10 ± 0.02 (296) **	5.21 ± 0.03 (283)	5.14 ± 0.03 (279)	4.94 ± 0.03 (247) **	4.27 ± 0.02 (254) **
Male fetal weight per litter(g)	5.26 ± 0.03 (144) **	5.37 ± 0.03 (150)	5.28 ± 0.03 (155)	5.06 ± 0.03 (119) **	4.34 ± 0.04 (127) **
Female fetal weight per litter(g)	4.95 ± 0.03 (152) **	5.03 ± 0.04 (133)	4.95 ± 0.03 (124)	4.83 ± 0.04 (128) **	4.19 ± 0.03 (127) **
Gravid Uterus Weight (f)					
Gravid Uterus Weight (g)	91.76 ± 4.05 (23) **	96.88 ± 3.61 (21)	90.41 ± 4.83 (22)	88.57 ± 4.88 (19)	75.58 ± 4.20 (21) **
Terminal Body Weight (g)	370.9 ± 5.7 (23) **	381.5 ± 4.3 (21)	370.1 ± 5.8 (22)	368.8 ± 5.6 (19)	356.9 ± 4.9 (21)
Adjusted Body Weight (g)	279.10 ± 2.70 (23)	284.61 ± 2.55 (21)	279.65 ± 2.61 (22)	280.23 ± 2.47 (19)	281.34 ± 3.23 (21)

LEGEND

Values are reported per litter as mean ± SEM (N)

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

* Statistically significant at P <= 0.05

** Statistically significant at P <= 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 Jonchkeere (trend) and Shirley or Dunn (pairwise) tests

(c) Statistical analysis performed by Jonchkeere (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 Jonchkeere (trend) and William or Dunnett (pairwise) tests

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

** END OF REPORT **