

Experiment Number: R14001

Test Type: Teratology - Range Finding

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: 10:35:00

Lab: Southern Research

C Number: R14001

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Female

Experiment Number: R14001

Test Type: Teratology - Range Finding

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: 10:35:00

Lab: Southern Research

Female

Treatment Groups (mg/kg/day)

0 150 300 600 900

Pregnancy Summary (a)

Mated Females	10	10	10	10	10
Pregnant Females	9	10	9	10	9
Pregnant females examined on GD 21	9 *	9	9	7	0

Pre-implantation Loss (b)

Corpora lutea per female	16.67 ± 1.24 (9)	16.20 ± 0.47 (10)	16.22 ± 0.94 (9)	15.71 ± 0.75 (7)
Implantations per female	11.67 ± 1.67 (9)	13.56 ± 0.94 (9)	14.50 ± 0.82 (8)	15.00 ± 0.79 (7)
Percent pre-implantation loss	30.86 ± 8.86 (9) **	16.94 ± 5.32 (9)	13.18 ± 3.31 (8)	4.25 ± 3.33 (7) **

Intra-uterine Deaths (c)

Number of Early Resorptions	10	5	1	53
Early resorptions per litter	1.11 ± 0.42 (9)	0.56 ± 0.29 (9)	0.13 ± 0.13 (8)	7.57 ± 2.92 (7)
Number of Late Resorptions	1	0	1	3
Late resorptions per litter	0.11 ± 0.11 (9)	0.00 ± 0.00 (9)	0.13 ± 0.13 (8)	0.43 ± 0.30 (7)
Total Resorptions per litter	1.22 ± 0.40 (9)	0.56 ± 0.29 (9)	0.25 ± 0.16 (8)	8.00 ± 2.86 (7)
Whole litter Resorptions	0 *	0	0	2
Number of Dead Fetuses	0	0	0	2
Dead Fetuses per litter	0.00 ± 0.00 (9)	0.00 ± 0.00 (9)	0.00 ± 0.00 (8)	0.29 ± 0.29 (7)
Percent post-implantation Loss	9.81 ± 2.71 (9)	5.68 ± 3.36 (9)	2.08 ± 1.40 (8)	53.34 ± 17.46 (7)

Live Fetuses (b)

Number of Live Fetuses	94	117	114	47
Live fetuses per litter	10.44 ± 1.54 (9)	13.00 ± 1.17 (9)	14.25 ± 0.92 (8)	6.71 ± 2.52 (7)
Live male fetuses per litter	4.56 ± 1.25 (9)	5.44 ± 0.84 (9)	6.63 ± 0.56 (8)	2.71 ± 1.19 (7)
Live female fetuses per litter	5.89 ± 1.09 (9)	7.56 ± 1.02 (9)	7.63 ± 0.84 (8)	4.00 ± 1.51 (7)
Percent live male fetuses per litter	37.25 ± 8.84 (9)	42.87 ± 5.60 (9)	47.25 ± 3.98 (8)	34.72 ± 10.21 (5)

Experiment Number: R14001

Test Type: Teratology - Range Finding

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: 10:35:00

Lab: Southern Research

	Female				
	Treatment Groups (mg/kg/day)				
	0	150	300	600	900
Fetal Weight (d)					
Fetal weight per litter(g)	5.34 ± 0.16 (9) **	5.11 ± 0.11 (9)	4.72 ± 0.07 (8) *	3.28 ± 0.37 (5) **	
Male fetal weight per litter(g)	5.38 ± 0.17 (8) **	5.26 ± 0.11 (9)	4.79 ± 0.08 (8) **	3.71 ± 0.30 (4) **	
Female fetal weight per litter(g)	5.25 ± 0.17 (9) **	4.98 ± 0.09 (9)	4.64 ± 0.08 (8) *	3.23 ± 0.37 (5) **	
Fetal Weight (adjusted) (e)					
Fetal weight per litter(g)	5.16 ± 0.04 (94) **	5.05 ± 0.03 (117)	4.73 ± 0.03 (114) **	3.60 ± 0.10 (47) **	
Male fetal weight per litter(g)	5.26 ± 0.07 (41) **	5.22 ± 0.04 (49)	4.83 ± 0.05 (53) **	3.70 ± 0.14 (19) **	
Female fetal weight per litter(g)	5.08 ± 0.05 (53) **	4.93 ± 0.03 (68) *	4.65 ± 0.03 (61) **	3.54 ± 0.14 (28) **	
Gravid Uterus Weight (f)					
Gravid Uterus Weight (g)	75.88 ± 10.09 (9)	88.80 ± 7.15 (9)	92.78 ± 4.70 (8)	40.59 ± 14.31 (7) *	
Terminal Body Weight (g)	349.9 ± 11.9 (9)	373.9 ± 11.5 (9)	370.5 ± 8.1 (9)	300.0 ± 16.1 (7) *	
Adjusted Body Weight (g)	274.06 ± 2.81 (9)	285.06 ± 5.93 (9)	280.16 ± 6.02 (8)	259.40 ± 5.77 (7)	

Experiment Number: R14001

Test Type: Teratology - Range Finding

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: 10:35:00

Lab: Southern Research

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 ****