

Experiment Number: R20263
Test Type: Teratology - Range Finding
Route: Oral Gavage - Constant Volume
Species/Strain: Rat/Sprague-Dawley

R09: UTERINE CONTENT SUMMARY
Test Compound: Tris (chloropropyl) phosphate

Date Report Requested: 10/29/2015
Time Report Requested: 10:30:38
Lab: NA

C Number: R20263
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Female

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Female

Treatment Groups (mg/kg/day)

0

300

650

1000

Pregnancy Summary (a)

Mated Females	11	11	11	11
Pregnant Females	10	11	8	10
Pregnant females examined on GD 21	10 **	11	7	4 *

Pre-implantation Loss (b)

Corpora lutea per female	16.90 ± 0.66 (10)	15.55 ± 0.77 (11)	16.14 ± 1.37 (7)	16.25 ± 0.48 (4)
Implantations per female	13.90 ± 0.62 (10)	13.45 ± 0.53 (11)	12.43 ± 1.21 (7)	10.75 ± 2.59 (4)
Percent pre-implantation loss	17.22 ± 3.65 (10)	12.59 ± 3.18 (11)	21.75 ± 6.79 (7)	32.93 ± 16.66 (4)

Intra-uterine Deaths (c)

Number of Early Resorptions	3	1	2	1
Early resorptions per litter	0.30 ± 0.30 (10)	0.09 ± 0.09 (11)	0.29 ± 0.18 (7)	0.25 ± 0.25 (4)
Number of Late Resorptions	0	0	0	0
Late resorptions per litter	0.00 ± 0.00 (10)	0.00 ± 0.00 (11)	0.00 ± 0.00 (7)	0.00 ± 0.00 (4)
Total Resorptions per litter	0.30 ± 0.30 (10)	0.09 ± 0.09 (11)	0.29 ± 0.18 (7)	0.25 ± 0.25 (4)
Whole litter Resorptions	0	0	0	0
Number of Dead Fetuses	0	0	0	0
Dead Fetuses per litter	0.00 ± 0.00 (10)	0.00 ± 0.00 (11)	0.00 ± 0.00 (7)	0.00 ± 0.00 (4)
Percent post-implantation Loss	2.14 ± 2.14 (10)	0.83 ± 0.83 (11)	6.46 ± 3.99 (7)	1.92 ± 1.92 (4)

Live Fetuses (b)

Number of Live Fetuses	136	147	83	42
Live fetuses per litter	13.60 ± 0.69 (10)	13.36 ± 0.58 (11)	11.86 ± 1.44 (7)	10.50 ± 2.53 (4)
Live male fetuses per litter	7.44 ± 0.56 (9) *	6.64 ± 0.59 (11)	5.57 ± 1.02 (7)	3.50 ± 0.87 (4) **
Live female fetuses per litter	6.11 ± 0.48 (9)	6.73 ± 0.66 (11)	6.29 ± 0.87 (7)	7.00 ± 2.16 (4)
Percent live male fetuses per litter	54.95 ± 2.48 (9)	49.91 ± 4.20 (11)	46.53 ± 6.43 (7)	39.81 ± 10.48 (4)

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	Female			
	Treatment Groups (mg/kg/day)			
	0	300	650	1000
Fetal Weight (d)				
Fetal weight per litter(g)	5.13 ± 0.06 (9)	5.24 ± 0.09 (11)	5.20 ± 0.10 (7)	5.23 ± 0.22 (4)
Male fetal weight per litter(g)	5.23 ± 0.07 (9)	5.42 ± 0.07 (11)	5.33 ± 0.15 (7)	5.44 ± 0.21 (4)
Female fetal weight per litter(g)	5.01 ± 0.07 (9)	5.07 ± 0.09 (11)	5.15 ± 0.09 (7)	5.06 ± 0.14 (4)
Fetal Weight (adjusted) (e)				
Fetal weight per litter(g)	5.14 ± 0.03 (122)	5.22 ± 0.03 (147)	5.18 ± 0.03 (83)	5.01 ± 0.04 (42)
Male fetal weight per litter(g)	5.23 ± 0.04 (67)	5.42 ± 0.03 (73) **	5.25 ± 0.05 (39)	5.25 ± 0.05 (14)
Female fetal weight per litter(g)	5.03 ± 0.05 (55)	5.03 ± 0.04 (74)	5.12 ± 0.04 (44)	4.89 ± 0.04 (28)
Gravid Uterus Weight (f)				
Gravid Uterus Weight (g)	98.11 ± 4.01 (10)	96.62 ± 3.35 (11)	86.37 ± 9.78 (7)	74.65 ± 15.90 (4)
Terminal Body Weight (g)	378.7 ± 5.7 (10)	376.4 ± 6.3 (11)	363.9 ± 20.4 (7)	365.0 ± 10.1 (4)
Adjusted Body Weight (g)	280.62 ± 4.86 (10)	279.76 ± 4.06 (11)	277.54 ± 11.58 (7)	290.35 ± 11.08 (4)

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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 ****