

**Experiment Number:** R20263B

**Test Type:** Teratology

**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:** 10:28:29

**Lab:** NA

**C Number:** R20263B

**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

162.5

325

650

Pregnancy Summary (a)

Mated Females	50	25	25	25
Pregnant Females	44	21	21	20
Pregnant females examined on GD 21	44	21	21	20

Pre-implantation Loss (b)

Corpora lutea per female	16.64 ± 0.37 (44)	18.05 ± 0.55 (21)	16.62 ± 0.72 (21)	17.55 ± 0.85 (20)
Implantations per female	14.18 ± 0.29 (44)	14.81 ± 0.38 (21)	13.48 ± 0.65 (21)	13.70 ± 0.67 (20)
Percent pre-implantation loss	13.92 ± 1.80 (44)	17.06 ± 2.36 (21)	17.49 ± 4.07 (21)	19.95 ± 4.03 (20)

Intra-uterine Deaths (c)

Number of Early Resorptions	22	11	11	15
Early resorptions per litter	0.50 ± 0.16 (44)	0.52 ± 0.15 (21)	0.52 ± 0.15 (21)	0.75 ± 0.45 (20)
Number of Late Resorptions	2	0	0	0
Late resorptions per litter	0.05 ± 0.03 (44)	0.00 ± 0.00 (21)	0.00 ± 0.00 (21)	0.00 ± 0.00 (20)
Total Resorptions per litter	0.55 ± 0.16 (44)	0.52 ± 0.15 (21)	0.52 ± 0.15 (21)	0.75 ± 0.45 (20)
Whole litter Resorptions	0	0	0	0
Number of Dead Fetuses	1	0	2	0
Dead Fetuses per litter	0.02 ± 0.02 (44)	0.00 ± 0.00 (21)	0.10 ± 0.07 (21)	0.00 ± 0.00 (20)
Percent post-implantation Loss	3.81 ± 1.13 (44)	3.42 ± 0.99 (21)	4.33 ± 1.19 (21)	7.17 ± 4.50 (20)

Live Fetuses (b)

Number of Live Fetuses	599	300	270	259
Live fetuses per litter	13.61 ± 0.30 (44)	14.29 ± 0.37 (21)	12.86 ± 0.62 (21)	12.95 ± 0.91 (20)
Live male fetuses per litter	6.48 ± 0.28 (44)	7.57 ± 0.41 (21)	6.71 ± 0.54 (21)	6.60 ± 0.54 (20)
Live female fetuses per litter	7.14 ± 0.30 (44)	6.71 ± 0.52 (21)	6.10 ± 0.46 (21)	6.35 ± 0.66 (20)
Percent live male fetuses per litter	47.71 ± 1.88 (44)	53.48 ± 3.05 (21)	50.51 ± 3.79 (21)	50.04 ± 3.96 (20)

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	Female			
	Treatment Groups (mg/kg/day)			
	0	162.5	325	650
<b>Fetal Weight (d)</b>				
Fetal weight per litter(g)	5.29 ± 0.04 (44)	5.22 ± 0.06 (21)	5.42 ± 0.08 (21)	5.22 ± 0.07 (20)
Male fetal weight per litter(g)	5.42 ± 0.05 (44)	5.35 ± 0.06 (21)	5.47 ± 0.06 (20)	5.34 ± 0.06 (19)
Female fetal weight per litter(g)	5.17 ± 0.04 (44)	5.08 ± 0.06 (21)	5.30 ± 0.09 (21)	5.09 ± 0.07 (20)
<b>Fetal Weight (adjusted) (e)</b>				
Fetal weight per litter(g)	5.27 ± 0.02 (599) *	5.24 ± 0.02 (300)	5.32 ± 0.02 (270)	5.18 ± 0.02 (259) **
Male fetal weight per litter(g)	5.40 ± 0.02 (285) *	5.39 ± 0.03 (159)	5.42 ± 0.03 (141)	5.30 ± 0.03 (132) *
Female fetal weight per litter(g)	5.15 ± 0.02 (314) *	5.07 ± 0.03 (141) *	5.21 ± 0.03 (128)	5.04 ± 0.03 (127) **
<b>Gravid Uterus Weight (f)</b>				
Gravid Uterus Weight (g)	98.89 ± 1.93 (44)	101.98 ± 2.23 (21)	95.76 ± 4.06 (21)	91.78 ± 5.91 (20)
Terminal Body Weight (g)	378.5 ± 3.0 (44)	382.7 ± 4.0 (21)	383.1 ± 5.2 (21)	375.2 ± 8.3 (20)
Adjusted Body Weight (g)	279.56 ± 1.81 (44)	280.75 ± 2.23 (21)	287.30 ± 2.38 (21)	283.45 ± 3.85 (20)

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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 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 \*\***