

Experiment Number: R20263B
Test Type: Teratology
Route: Oral Gavage - Constant Volume
Species/Strain: Rat/Sprague-Dawley

R11: Fetal Defect Summary
Test Compound: Tris (chloropropyl) phosphate
CAS Number: 13674-84-5

Date Report Requested: 08/21/2018
Time Report Requested: 12:08:35
Lab: RTI

C Number: R20263B
Study Gender: Female
PWG Approval Date: See web page for date of PWG Approval

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	Treatment Groups (mg/kg/day)			
	0	162.5	325	650
All Exams				
No. Fetuses	599	300	270	259
No. Litters	44	21	21	20
Malformation				
Affected fetuses	11 (1.84)	8 (2.67)	4 (1.48)	4 (1.54)
Affected litters	10 (22.73)	7 (33.33)	3 (14.29)	3 (15.00)
Variation				
Affected fetuses	188 (31.39)	102 (34.00)	79 (29.26)	80 (30.89)
Affected litters	41 (93.18)	21 (100.00)	20 (95.24)	17 (85.00)
Gross Finding				
Affected fetuses	2 (0.33)	2 (0.67)	0 (0.00)	3 (1.16)
Affected litters	1 (2.27)	1 (4.76)	0 (0.00)	2 (10.00)
External				
No. Fetuses	588	297	270	259
No. Litters	43	21	21	20
Malformation				
Affected fetuses	0 (0.00)	1 (0.34)	0 (0.00)	0 (0.00)
Affected litters	0 (0.00)	1 (4.76)	0 (0.00)	0 (0.00)
Gross Finding				
Affected fetuses	2 (0.34)	2 (0.67)	0 (0.00)	3 (1.16)
Affected litters	1 (2.33)	1 (4.76)	0 (0.00)	2 (10.00)

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	0	162.5	325	650
Visceral				
No. Fetuses	599	299	270	259
No. Litters	44	21	21	20
Malformation				
Affected fetuses	4 (0.67)	2 (0.67)	1 (0.37)	0 (0.00)
Affected litters	4 (9.09)	2 (9.52)	1 (4.76)	0 (0.00)
Variation				
Affected fetuses	103 (17.20) ** #	37 (12.37) *	15 (5.56) ** ##	28 (10.81) **
Affected litters	34 (77.27) *	16 (76.19)	6 (28.57) **	12 (60.00)
Head				
No. Fetuses	299	148	138	121
No. Litters	44	21	21	18
Malformation				
Affected fetuses	1 (0.33)	2 (1.35)	1 (0.72)	1 (0.83)
Affected litters	1 (2.27)	2 (9.52)	1 (4.76)	1 (5.56)
Variation				
Affected fetuses	0 (0.00)	1 (0.68)	0 (0.00)	0 (0.00)
Affected litters	0 (0.00)	1 (4.76)	0 (0.00)	0 (0.00)

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	Treatment Groups (mg/kg/day)			
	0	162.5	325	650
Skeletal - Body				
No. Fetuses	599	300	270	259
No. Litters	44	21	21	20
Malformation				
Affected fetuses	6 (1.00)	5 (1.67)	2 (0.74)	3 (1.16)
Affected litters	6 (13.64)	4 (19.05)	1 (4.76)	2 (10.00)
Variation				
Affected fetuses	99 (16.53) **	75 (25.00) ** #	70 (25.93) ** #	64 (24.71) **
Affected litters	33 (75.00)	19 (90.48)	19 (90.48)	15 (75.00)
Skeletal - Skull				
No. Fetuses	300	152	132	132
No. Litters	44	21	21	20
Variation				
Affected fetuses	1 (0.33)	0 (0.00)	0 (0.00)	0 (0.00)
Affected litters	1 (2.27)	0 (0.00)	0 (0.00)	0 (0.00)

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LEGEND

Upper row denotes number of affected fetuses (%) and lower row the number of affected litters (%)

Trend and pairwise significance levels are determined using one-sided tests.

Statistical analysis for litter data and for fetal data ignoring the litter effects were performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests.

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

Statistical analysis for fetal data including litter effects was performed by using a Generalized Linear Mixed Model, where the Dam ID was the random effect for both trend and pairwise analysis.

Statistically significant at $P \leq 0.05$ (litter based analysis)

Statistically significant at $P \leq 0.01$ (litter based analysis)

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

**** END OF REPORT ****