

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

R13:Fetal Defect Cross Reference Summary
Test Compound: Tris (chloropropyl) phosphate

Date Report Requested: 11/03/2015
Time Report Requested: 10:30:01
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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	Treatment Groups (mg/kg/day)			
	0	162.5	325	650
Total number of fetuses examined	599	300	270	259
Total number of dams examined	44	21	21	20

Defect	Classification	Animal ID			
Visceral					
No. Fetuses Examined		599	299	270	259
No. Dams Examined		44	21	21	20
abdomen					
Kidney, left, Accessory kidney without ureter	Malformation		72(13)		
Kidney, right, Agenesis	Malformation	210(3)			
Renal pelvis, right, Dilated	Variation	46(8), 220(5)			
general					
Abdomen, right side, Mass, encapsulated, discolored	Malformation	202(5)			
heart					
Ventricular septum, Septum defect	Malformation	42(9)			

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		0	162.5	325	650
pelvis					
Ureter, bilateral, Distended	Variation	2(3,6), 6(15), 10(7), 20(13), 24(7,9,10,13), 32(14), 34(1,5,6,10,11,12,16), 38(10), 40(12), 206(3,8,13,14), 212(1), 228(6,7,8), 232(9,11), 234(4,10,14), 238(2), 240(2,3,6,10), 242(2,5,14), 246(2,4,8), 248(4,10,11,12)	52(13), 56(3), 58(4,9,10), 60(4), 68(10), 78(10), 80(15), 82(1), 88(8,14), 100(3,4)	118(4,5,9,14), 122(10,12), 148(1)	156(14), 166(9,10,14), 178(2,4,8), 180(1), 182(4), 196(14)
Ureter, bilateral, Hydroureter	Malformation	8(9)			
Ureter, left, Distended	Variation	8(5,11,15), 20(11), 26(8), 36(1), 40(6), 202(1,6), 204(8,14), 206(5), 210(13), 212(14), 214(7,12), 216(10), 224(11), 234(8), 238(4,6), 240(15)	52(2), 54(3,10), 58(7), 66(11), 78(2), 82(11), 84(1), 90(16)	102(2,3), 118(8), 138(8)	152(3), 156(9), 158(9), 160(2,3,4), 166(6), 172(13), 188(6)
Ureter, left, Hydroureter	Malformation			104(11)	
Ureter, right, Distended	Variation	10(1,8), 20(16), 24(3), 34(3,7,15), 38(2,8), 206(6), 214(13), 224(10), 230(1,8), 232(6), 234(11,13), 242(10), 246(5,7), 248(5,14), 250(14)	60(3,7), 88(1,10,13), 92(1,8,11), 100(1,7,10,14)	148(2,5,13)	178(9,15), 180(4), 192(1), 196(7)
thorax (excluding heart)					
Aorta, Malpositioned	Malformation	42(9)			

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Aortic arch, Agenesis	Malformation	42(9)	94(7)		
Ductus arteriosus, Agenesis	Malformation	42(9)			
Innominate artery, Agenesis	Variation	6(8,13), 22(4,7), 40(1), 42(15), 220(8), 238(12), 246(6)	56(13), 72(16)	112(11)	156(15), 158(13), 160(1), 188(12)
Lung, left lobe, Small	Malformation	42(9)			
Skeletal - Body					
No. Fetuses Examined		599	300	270	259
No. Dams Examined		44	21	21	20
ribs					
Rib, left, Intercostal rib	Malformation	46(2)			
Rib, Discontinuous	Malformation	46(2)			
Rib, Floating extra	Variation			118(4)	
Rib, Lumbar I full	Malformation	2(11), 22(14), 228(12), 242(10)	58(1,13), 64(10), 100(15)	150(11,13)	152(8), 178(4,10)
Rib, Lumbar I rudimentary, Normal cartilage	Variation			116(4,14)	
Rib, Lumbar I rudimentary, Unilateral cartilage	Variation		82(5)		

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Rib, Lumbar I rudimentary	Variation	2(9,10,11,12), 6(2,8,9,13,15,16), 10(6), 12(8), 18(11), 24(1,2,3,5,8,12), 32(4,10), 34(3), 36(4,9,13), 38(6,8,11,12,14), 40(4), 42(13), 44(2,5,8,10,14,16), 46(1,7,10,12,15), 48(1,4,7,8,12), 202(6), 208(1,2,4,7), 210(4,10,14), 212(13), 216(1), 228(4,9,12), 232(14), 236(1,6,8,10,12), 238(5,13), 240(5,13), 242(2), 246(2), 248(3), 250(1,2,3,4,5,7,13,14)	52(6,11), 54(2,4,9), 56(4,6,8,10,12,13,19), 58(1,2,3,5,6,7,8,9,12,13,14), 60(9), 62(11), 64(10,15,16), 66(10,18), 68(2,3,6), 72(2,13), 84(6), 88(3,4,5,6,7,8,9,10,11,13, 14), 90(2,4,5), 96(4,5,14,15), 98(5,9,11,12,13), 100(5,11,13,15,16)	104(8), 108(2,5,7,8,9,13), 110(2,4,5,8,10,12,13,17), 112(11,13), 114(11), 116(1,9,11), 118(2), 122(11), 124(2,3,5), 132(2,6), 134(2,4,6,8,11), 136(3,7,10), 138(8,14), 142(4,5,6,8,9,10,13), 144(2,9,12), 146(5,10), 150(3,4,5,8,9,10,12,13,14)	152(1,2,3,4,5,6,7,8,9,10,11, 12,13), 156(7,13,14), 158(10,12), 160(2), 166(6,10,11), 168(5,6,11), 170(3,5,11,14,15,16), 172(2,3,4,8,11,14), 178(4,5,8), 188(6,7,8,9,11,17), 190(5,11,12), 192(4), 196(5,7,14), 198(1,5,7), 200(6)
Rib cartilage, Discontinuous	Malformation		66(7)		
Rib cartilage, VIII attached to sternum	Malformation	44(15)			
sternebrae					
Sternebra II, Incomplete ossification	Variation	46(2)			
Sternebra V, Incomplete ossification	Variation	22(8), 246(14)	68(8)	114(13), 124(4), 148(1,13)	
Sternebra(e), Extra ossification site between sternebrae	Variation	202(5,12), 206(14)	66(5)		
Sternebra(e), Misaligned (>2, not V)	Variation	46(2)			
thoracic vertebrae					
Thoracic centrum, Bipartite ossification, Bipartite cartilage	Malformation	46(2)			
Thoracic centrum, Bipartite ossification, Dumbbell cartilage	Variation	44(11)		104(1), 134(8)	178(7)

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Thoracic centrum, Bipartite ossification, Normal cartilage	Variation	2(7), 240(15)	80(12,15), 84(1)	148(13)	178(5)
Thoracic centrum, Dumbbell ossification, Dumbbell cartilage	Variation	218(1,2), 220(6)	96(5)	104(6), 118(4)	170(1), 178(12)
Thoracic centrum, Dumbbell ossification, Normal cartilage	Variation	34(16), 44(10), 212(17), 238(3), 240(6,15), 250(11)	54(3), 60(8,10), 100(4)	104(8), 110(8), 130(11), 148(2)	160(4), 178(7,8,9,10,13), 188(2)
Thoracic centrum, Fused	Malformation	46(2)			
Thoracic centrum, Unilateral ossification, Bipartite cartilage	Malformation	46(2)			
Thoracic centrum, Unossified, Bipartite cartilage	Malformation	46(2)			
Thoracic centrum cartilage, Normal ossification, Dumbbell cartilage	Variation		94(11)		

Skeletal - Skull

No. Fetuses Examined		300	152	132	132
No. Dams Examined		44	21	21	20
skull					
Interparietal, Incomplete ossification	Variation	232(11)			

External

No. Fetuses Examined		588	297	270	259
No. Dams Examined		43	21	21	20

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		0	162.5	325	650
head					
Cranium, Meningoencephalocele	Malformation		94(7)		
placenta					
Placenta, Discolored	Gross Finding				184(8)
Placenta, Enlarged	Gross Finding				184(8)
Placenta, Fused	Gross Finding	246(13,14)	52(6,7)		156(17,18)

Head					
No. Fetuses Examined		299	148	138	121
No. Dams Examined		44	21	21	18

eyes					
Eye, bilateral, Anophthalmia	Malformation		94(7)		
Retina, bilateral, Folded	Malformation				168(10)
head					
Lateral ventricle, left, Enlarged half	Variation		94(7)		
Nasal sinus, bilateral, Enlarged	Malformation		62(4)		
Nasal sinus, left, Enlarged	Malformation	202(4)		112(7)	

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LEGEND

Findings are reported by dam ID number (fetal ID number)

**** END OF REPORT ****