

Experiment Number: R20084C

Test Type: Teratology

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

R13:Fetal Defect Cross Reference Summary

Test Compound: Dimethylethanolamine

CAS Number: 108-01-0

Date Report Requested: 03/07/2016

Time Report Requested: 15:07:09

Lab: Southern Research

C Number: R20084C

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	250	500	1000
Total number of fetuses examined	209	265	260	260
Total number of dams examined	19	20	20	22

Defect	Classification	Animal ID			
Placental					
No. Fetuses Examined		209	265	260	260
No. Dams Examined		19	20	20	22
Placentae					
Placenta, Bipartite	Gross Finding	3(8)			
Placenta, Fused	Gross Finding	15(7)			

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		0	250	500	1000
Visceral					
No. Fetuses Examined		209	265	260	260
No. Dams Examined		19	20	20	22
General					
General, Fluid-filled thorax	Gross Finding				76(11)
Heart					
Aortic valve, Misshapen	Malformation	15(3), 18(3)	33(10)	58(12), 62(13), 71(3)	91(8)
Atrium, right, Large	Malformation				76(11)
Ventricle, bilateral, Thick Wall	Malformation	16(3)			
Ventricle, bilateral, Ventricular septum defect	Malformation	16(3)			
Major Vessels					
Aortic arch, Absent	Malformation			60(3)	
Carotid artery, left, Malpositioned	Variation			72(2)	
Innominate artery, Absent	Variation	3(13), 16(1), 19(10)	30(11), 31(9), 32(3), 41(9)	55(8,9), 60(3), 61(13), 72(2,7)	78(5), 79(8), 81(1), 82(6), 83(3), 85(8), 87(7), 89(16), 91(4), 96(1,9,10)
Innominate artery, Atresia	Malformation				95(6)

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Innominate artery, Short	Variation	9(3,6), 10(7,8), 16(3), 25(7)	31(5), 33(9), 36(5), 37(3), 41(10), 43(15), 50(7)	52(9,11), 57(2), 62(12), 64(4), 71(4,11), 72(1)	76(11), 83(1,10), 94(11), 95(4)
Pulmonary artery/trunk, Dilated	Malformation	24(1)			
Subclavian artery, right, Dilated	Variation				81(1)
Thoracic Viscera					
Thymus, Supernumerary	Variation				76(11)
Urinary Tract					
Renal pelvis, bilateral, Dilated	Variation			61(4)	
Renal pelvis, left, Dilated	Variation		29(6)		
Renal pelvis, right, Dilated	Variation				92(3)
Ureter, bilateral, Dilated	Variation	16(1)	41(11)	61(4)	
Ureter, left, Dilated	Variation	18(8)	29(6), 34(5)	64(5)	87(8), 92(3)
Ureter, right, Dilated	Variation	16(2)			

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	0	250	500	1000
Skeletal - Body				
No. Fetuses Examined	209	265	260	260
No. Dams Examined	19	20	20	22
Appendicular Skeleton				
General, Not examined		43(15)		
Pelvic Girdle				
Pubis, left, Incomplete ossification	Variation			85(4,6)
Ribs				
Costal cartilage, 6th right, Nodulated	Variation	10(12)		97(9), 100(11)
Costal cartilage, 8th right, Nodulated	Variation		68(10)	
Costal cartilage, 9th right, Nodulated	Variation	6(1)		
Supernumerary Rib				
Thoracolumbar, bilateral, Full	Malformation	6(3)		

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		0	250	500	1000
Thoracolumbar, bilateral, Short	Variation	1(6,12), 3(4), 6(11), 10(5), 13(1,5), 18(9,13), 23(3,4,6,8,11), 25(3,9,11)	28(2,3,7,11), 33(9,11), 34(1), 36(10), 42(6), 44(12), 46(4)	51(2,6,14), 59(5,12), 60(5), 61(14), 63(5,6,8), 65(2,13), 67(1,9,10,11), 68(1,4), 70(15), 72(6,9,10), 73(3,10)	76(1,5), 77(5,6), 78(6), 82(13), 83(14), 84(5,8), 85(6), 87(5,8), 89(12,14,16), 90(4,5,6,13), 92(7,8,10), 94(8,11,12,13), 95(2,3), 96(12,15), 99(4), 100(4,5,8,10,12,13,14,16)
Thoracolumbar, left, Full	Malformation	10(3), 23(13), 25(1)	49(15)		
Thoracolumbar, left, Short	Variation	1(2,11,14), 3(3), 4(13), 6(4), 8(12,17), 10(1), 11(7), 13(4), 15(2), 16(3), 17(1,10,13), 18(3,4,6), 23(7,10), 25(6,13)	26(2,5), 28(8,9), 29(9), 31(11,14), 32(15), 33(7,8), 34(2), 36(2,8), 37(1,10), 38(5,9), 39(3,7,9), 40(2,13), 42(5,14), 43(11), 44(1,8,11), 49(4,13), 50(11,14)	51(5,7,13), 52(11), 53(3), 55(1,6), 58(5,10), 59(3), 60(6,8), 61(9), 63(2,13), 65(11), 68(5,7,10), 69(2,3), 70(8), 71(10), 72(7,11), 73(14)	77(4,7), 82(3,5,9,11,14,16), 83(4,12), 84(2), 85(4,11), 87(3,4), 89(4,7), 90(7,10,12), 91(1,4,9), 92(6,12), 94(4,7), 95(1,6,9,10,12), 96(2,7,11), 97(1,8,11), 98(1,2,5,6), 99(9), 100(1,3)
Thoracolumbar, right, Full	Malformation	16(3), 18(3), 25(6)	31(14), 33(6)	63(13)	94(4)
Thoracolumbar, right, Short	Variation	1(5,13), 5(4), 6(6), 8(8,13), 9(2,12), 10(3), 17(11,14), 18(10), 19(4), 25(1,7,12)	28(4), 32(9), 33(5), 34(7,9), 39(6), 42(8), 43(12), 44(3), 49(15,16), 50(4,13)	51(10,11), 53(6), 58(3), 60(7), 64(4), 67(6), 68(11), 71(7)	78(2), 83(5), 84(3), 87(9), 89(5,10), 90(2,9), 94(1,6), 96(1,3,13), 97(2,12), 100(7)
Vertebrae					
Thoracic centrum, 10th, Incomplete ossification	Variation			72(12)	
Thoracic centrum, 11th, Incomplete ossification	Variation		34(3)		

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		0	250	500	1000
Skeletal - Skull					
No. Fetuses Examined		100	128	126	128
No. Dams Examined		18	20	20	20
Skull					
General, Isolated ossification site	Variation	18(12)	26(2), 28(6), 40(10), 43(14), 44(8)	65(10,12), 72(8)	83(8), 98(4,6)
General, Supernumerary site	Variation	15(10)	31(2), 32(8), 43(4)	64(6), 68(8)	76(2,4,9), 79(5), 83(2), 84(8), 87(2,4), 89(12), 91(12), 92(4), 96(10), 98(8)
Head					
No. Fetuses Examined		109	137	134	132
No. Dams Examined		18	20	20	22

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		External			
No. Fetuses Examined		209	265	260	260
No. Dams Examined		19	20	20	22
Body - General					
Body, Subcutaneous hemorrhage	Gross Finding	3(9)	29(13), 43(14)	71(8)	77(1,7,10), 79(9), 85(2)
Extremities					
Limb, hind, right, Bent	Malformation				76(7)
Tail, Bent	Malformation		41(14)	63(6)	91(7,16)
Head					
Head, Meningocele	Malformation	16(3)			
Trunk					
General, Omphalocele	Malformation		26(4)		

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LEGEND

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

**** END OF REPORT ****