

Experiment Number: 321492

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **3-(Dimethylamino)propylamine**

CAS Number: **109-55-7**

Date Report Requested: **09/12/2018**

Time Report Requested: **10:11:31**

NTP Study Number:

321492

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	120 ± 9.1	125 ± 4.9	138 ± 6.1	124 ± 5.3	102 ± 7.0
33.0	146 ± 7.8	90 ± 4.2			
100.0	113 ± 13.4	91 ± 4.9	135 ± 12.5	136 ± 3.1	121 ± 9.0
333.0	126 ± 15.9	79 ± 2.4	120 ± 4.9		130 ± 8.8
1000.0	124 ± 6.9	73 ± 6.4	133 ± 16.0	128 ± 7.6	125 ± 6.7
1666.0					127 ± 6.1
3333.0	132 ± 3.4	69 ± 6.1	189 ± 8.1	123 ± 6.7	101 ± 12.1
6666.0				124 ± 5.3	
10000.0			0 ± 0.0 ^s	114 ± 6.4	
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²	369 ± 11.7	557 ± 34.9			
Positive Control ³			412 ± 17.6	396 ± 27.0	744 ± 48.8

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	135 ± 4.0	122 ± 21.5	118 ± 13.2
33.0			
100.0	149 ± 5.2	141 ± 5.0	126 ± 11.4
333.0	136 ± 6.1		116 ± 9.4
1000.0	146 ± 15.9	143 ± 9.9	107 ± 7.2
1666.0			124 ± 6.7
3333.0	187 ± 12.6	116 ± 9.0	53 ± 14.1 ^s
6666.0		132 ± 1.5	
10000.0	30 ± 30.0 ^s	129 ± 4.3	
Trial Summary	Equivocal	Negative	Negative
Positive Control ²			
Positive Control ³	1373 ± 44.0	1565 ± 37.7	842 ± 13.0

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	31 ± 3.3	34 ± 6.4	9 ± 2.3	9 ± 1.8	6 ± 0.3
33.0	23 ± 4.2	23 ± 2.8			
100.0	20 ± 5.0	19 ± 4.1	12 ± 1.7	14 ± 0.6	6 ± 1.5
333.0	24 ± 1.5	28 ± 3.9	11 ± 1.7		6 ± 0.6
1000.0	30 ± 5.2	18 ± 1.3	9 ± 2.9	7 ± 0.6	5 ± 0.9
1666.0					5 ± 1.8
3333.0	9 ± 4.0	20 ± 0.3	38 ± 6.9	14 ± 7.5	3 ± 1.3
6666.0				17 ± 5.9	
10000.0			0 ± 0.0 ^s	5 ± 4.7 ^s	
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²	340 ± 15.0	467 ± 5.2			
Positive Control ⁴			130 ± 3.8	163 ± 12.5	173 ± 31.1

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9		With 10% Hamster S9		With 10% Hamster S9	
Vehicle Control ¹	39 ±	1.5	18 ±	2.2	8 ±	2.0
33.0						
100.0	11 ±	1.7	15 ±	3.0	5 ±	1.2
333.0	10 ±	4.2			6 ±	1.3
1000.0	12 ±	3.2	9 ±	1.9	3 ±	0.6
1666.0					4 ±	0.9
3333.0	20 ±	4.4	20 ±	3.5	4 ±	2.2
6666.0			29 ±	5.0		
10000.0	0 ±	0.0 ^s	0 ±	0.0 ^s		
Trial Summary	Negative		Equivocal		Negative	
Positive Control ²						
Positive Control ⁴	539 ±	204.9	451 ±	27.3	222 ±	2.0

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.0	10 ± 1.7	9 ± 1.8	6 ± 0.6	6 ± 1.2
33.0	6 ± 1.5	5 ± 1.2			
100.0	8 ± 2.9	6 ± 1.7	5 ± 0.9	10 ± 4.6	9 ± 1.5
333.0	7 ± 0.6	6 ± 1.3	12 ± 3.4		8 ± 2.3
1000.0	3 ± 1.0	5 ± 0.7	6 ± 1.2	8 ± 2.6	7 ± 0.3
3333.0	4 ± 0.9	5 ± 1.3	6 ± 0.7	9 ± 1.7	6 ± 1.2
6666.0				6 ± 1.2	
10000.0			0 ± 0.0 ^s	3 ± 0.9	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			191 ± 11.6	138 ± 6.4	534 ± 5.4
Positive Control ⁵	894 ± 166.3	751 ± 33.2			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 3.4
33.0	
100.0	7 ± 1.5
333.0	
1000.0	5 ± 0.9
3333.0	7 ± 1.2
6666.0	5 ± 2.3
10000.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ⁴	307 ± 24.1
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 2.7	31 ± 0.0	24 ± 3.8	31 ± 0.0	38 ± 1.5
33.0	22 ± 1.0	16 ± 2.5			
100.0	13 ± 2.3	15 ± 1.2	34 ± 3.7	31 ± 0.7	36 ± 4.9
333.0	21 ± 3.3	20 ± 3.5	31 ± 4.3		33 ± 3.0
1000.0	14 ± 1.5	13 ± 0.7	33 ± 8.4	36 ± 2.3	36 ± 4.6
3333.0	7 ± 3.5	14 ± 0.7	19 ± 5.7	25 ± 0.3	0 ± 0.0 ^s
6666.0				19 ± 1.0	
10000.0			0 ± 0.0 ^s	9 ± 8.7 ^s	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			254 ± 18.8	376 ± 19.1	830 ± 61.5
Positive Control ⁶	600 ± 12.2	376 ± 19.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	31 ± 0.9
33.0	
100.0	35 ± 5.7
333.0	
1000.0	36 ± 5.3
3333.0	22 ± 3.9
6666.0	23 ± 5.2
10000.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ³	1649 ± 83.9
Positive Control ⁶	

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LEGEND

Values given as Mean or Mean \pm Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Water

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****