

Experiment Number: 979858

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N-Dimethylacetamide

CAS Number: 127-19-5

Date Report Requested: 09/18/2018

Time Report Requested: 03:17:14

NTP Study Number:

979858

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	123 ± 6.5	96 ± 8.4	139 ± 14.8	115 ± 10.5	137 ± 4.9
100.0	116 ± 9.4	84 ± 9.8	142 ± 15.6	114 ± 9.6	143 ± 5.6
333.0	108 ± 4.8	105 ± 6.4	140 ± 8.2	110 ± 12.2	154 ± 10.6
1000.0	123 ± 10.4	60 ± 30.7	138 ± 11.5	127 ± 2.3	144 ± 11.4
3333.0	115 ± 6.8	93 ± 6.9	138 ± 7.1	133 ± 1.5	140 ± 7.7
10000.0	106 ± 5.8	114 ± 7.2	136 ± 3.2	118 ± 4.7	143 ± 8.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	215 ± 5.1	280 ± 44.2			
Positive Control ³			800 ± 47.9	436 ± 8.1	1611 ± 53.7

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	120 ± 8.6
100.0	115 ± 4.3
333.0	108 ± 8.4
1000.0	124 ± 12.0
3333.0	121 ± 4.7
10000.0	117 ± 5.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	784 ± 72.2

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 0.9	24 ± 2.3	5 ± 0.9	14 ± 1.2	7 ± 0.7
100.0	16 ± 2.7	25 ± 3.3	7 ± 1.2	10 ± 1.2	5 ± 1.2
333.0	11 ± 1.2	24 ± 3.5	7 ± 2.5	13 ± 0.3	5 ± 0.3
1000.0	17 ± 1.7	28 ± 2.1	4 ± 0.3	11 ± 2.1	6 ± 1.2
3333.0	12 ± 1.2	25 ± 1.3	6 ± 1.0	14 ± 2.6	6 ± 1.2
10000.0	14 ± 1.7	22 ± 1.5	9 ± 4.3	10 ± 2.6	6 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	124 ± 6.1	244 ± 13.2			
Positive Control ⁴			136 ± 6.4	431 ± 49.8	359 ± 25.2

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.0
100.0	10 ± 1.5
333.0	8 ± 2.3
1000.0	10 ± 3.0
3333.0	9 ± 2.0
10000.0	8 ± 0.6
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	1724 ± 33.8

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	153 ± 9.3	148 ± 8.9	189 ± 6.4	219 ± 3.3	166 ± 8.8
100.0	171 ± 5.0	146 ± 8.7	192 ± 11.9	251 ± 19.3	174 ± 13.2
333.0	164 ± 30.5	150 ± 1.5	187 ± 10.5	241 ± 10.1	169 ± 8.4
1000.0	186 ± 7.6	154 ± 4.2	210 ± 1.8	252 ± 6.8	156 ± 2.8
3333.0	197 ± 8.7	166 ± 6.8	193 ± 2.7	248 ± 17.3	173 ± 2.0
10000.0	162 ± 26.8	152 ± 14.5	197 ± 11.9	229 ± 11.6	184 ± 7.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			1236 ± 28.7	425 ± 5.7	1611 ± 39.3
Positive Control ⁵	1003 ± 26.4	954 ± 47.1			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	212 ± 12.4
100.0	223 ± 3.5
333.0	216 ± 2.6
1000.0	228 ± 13.3
3333.0	200 ± 13.6
10000.0	233 ± 0.3
Trial Summary	Negative
Positive Control ⁴	617 ± 45.0
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 2.7	14 ± 3.0	24 ± 3.5	26 ± 5.8	28 ± 4.6
100.0	12 ± 2.7	20 ± 3.0	22 ± 2.3	21 ± 2.7	16 ± 1.2
333.0	14 ± 1.8	14 ± 3.2	26 ± 3.5	20 ± 1.0	19 ± 1.5
1000.0	12 ± 0.7	17 ± 1.2	19 ± 1.0	24 ± 3.2	17 ± 1.5
3333.0	11 ± 1.7	13 ± 0.9	22 ± 2.5	26 ± 1.0	22 ± 2.2
10000.0	8 ± 0.3	10 ± 1.7	16 ± 1.2	25 ± 4.6	20 ± 5.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³				142 ± 17.0	963 ± 29.8
Positive Control ⁴			384 ± 29.5		
Positive Control ⁶	582 ± 15.7	381 ± 21.8			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	29 ± 2.7
100.0	21 ± 2.6
333.0	22 ± 2.8
1000.0	26 ± 3.1
3333.0	29 ± 2.0
10000.0	20 ± 3.8
Trial Summary	Negative
Positive Control ³	712 ± 1.5
Positive Control ⁴	
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

**** END OF REPORT ****