

Experiment Number: 213046

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethylurea**

CAS Number: 96-31-1

Date Report Requested: **09/14/2018**

Time Report Requested: **15:21:32**

NTP Study Number:

213046

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% Hamster S9
Vehicle Control ¹	119 ± 0.7	143 ± 7.9	132 ± 0.6	122 ± 2.4	127 ± 10.5
100.0	118 ± 0.9	127 ± 7.5	138 ± 9.9	116 ± 12.8	129 ± 0.9
333.0	109 ± 9.7	135 ± 2.9	130 ± 5.4	136 ± 9.4	118 ± 10.4
1000.0	125 ± 14.5	138 ± 5.6	140 ± 4.5	127 ± 6.8	134 ± 3.2
3333.0	128 ± 8.3	138 ± 6.1	133 ± 1.9	140 ± 7.9	113 ± 9.1
10000.0	126 ± 9.8	141 ± 8.7	122 ± 8.7	127 ± 7.6	132 ± 7.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1797 ± 91.5
Positive Control ³			808 ± 129.9	1109 ± 57.5	
Positive Control ⁴	1274 ± 32.6	1786 ± 37.8			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	95 ± 1.5
100.0	96 ± 1.2
333.0	102 ± 10.3
1000.0	118 ± 6.9
3333.0	126 ± 2.4
10000.0	119 ± 7.2
Trial Summary	Equivocal
Positive Control ²	2167 ± 56.9
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.7	20 ± 3.2	9 ± 0.3	10 ± 0.6	8 ± 1.9
100.0	16 ± 2.7	18 ± 3.6	9 ± 1.8	11 ± 0.3	9 ± 2.6
333.0	11 ± 0.7	19 ± 1.7	7 ± 1.2	9 ± 0.7	9 ± 0.9
1000.0	12 ± 1.5	17 ± 0.9	8 ± 3.0	11 ± 0.7	9 ± 1.3
3333.0	12 ± 2.1	17 ± 1.0	11 ± 1.7	9 ± 2.3	8 ± 1.5
10000.0	12 ± 1.5	18 ± 2.0	10 ± 1.7	11 ± 2.3	7 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					109 ± 7.6
Positive Control ³			48 ± 1.2	78 ± 6.4	
Positive Control ⁴	919 ± 21.6	1175 ± 14.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 3.0
100.0	5 ± 0.3
333.0	9 ± 1.0
1000.0	8 ± 2.0
3333.0	9 ± 0.3
10000.0	8 ± 2.2
Trial Summary	Negative
Positive Control ²	141 ± 11.0
Positive Control ³	
Positive Control ⁴	

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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	5 ± 0.9	7 ± 1.8	6 ± 0.3	10 ± 3.9	7 ± 0.9
100.0	12 ± 1.6	5 ± 1.7	6 ± 1.5	9 ± 0.6	4 ± 0.7
333.0	5 ± 1.6	8 ± 0.3	7 ± 2.3	10 ± 2.0	6 ± 1.7
1000.0	7 ± 0.8	5 ± 1.2	8 ± 1.8	10 ± 3.0	8 ± 0.9
3333.0	7 ± 3.1	6 ± 1.5	8 ± 0.9	11 ± 2.2	5 ± 1.3
10000.0	7 ± 0.3	6 ± 1.8	8 ± 0.9	8 ± 1.5	7 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					259 ± 42.7
Positive Control ³			58 ± 1.3	86 ± 8.4	
Positive Control ⁵	279 ± 37.0	371 ± 47.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 0.6
100.0	12 ± 1.8
333.0	11 ± 2.2
1000.0	9 ± 2.0
3333.0	10 ± 0.6
10000.0	6 ± 0.3
Trial Summary	Negative
Positive Control ²	278 ± 27.5
Positive Control ³	
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	14 ± 2.7	16 ± 1.0	18 ± 1.2	23 ± 5.3	18 ± 2.4
100.0	15 ± 2.0	16 ± 1.5	19 ± 2.0	23 ± 2.4	21 ± 1.2
333.0	22 ± 2.6	17 ± 2.3	26 ± 1.5	22 ± 5.4	19 ± 1.8
1000.0	24 ± 2.3	17 ± 1.2	24 ± 3.5	22 ± 3.0	25 ± 0.6
3333.0	21 ± 3.0	17 ± 0.7	22 ± 1.7	31 ± 1.0	28 ± 2.6
10000.0	18 ± 4.9	15 ± 2.1	25 ± 0.3	27 ± 0.0	19 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2594 ± 48.6
Positive Control ³			1185 ± 24.6	1238 ± 28.2	
Positive Control ⁶	1243 ± 39.8	1193 ± 40.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 2.3
100.0	25 ± 3.0
333.0	25 ± 1.8
1000.0	28 ± 2.6
3333.0	26 ± 2.2
10000.0	26 ± 4.2
Trial Summary	Negative
Positive Control ²	2070 ± 51.9
Positive Control ³	
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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****