

Experiment Number: **840758**

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

G06: Ames Summary Data

Test Compound: **N,N-Dimethylaniline**

CAS Number: **121-69-7**

Date Report Requested: **09/16/2018**

Time Report Requested: **00:18:28**

NTP Study Number:

840758

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	85 ± 2.7	93 ± 3.7	97 ± 2.2	94 ± 9.0	123 ± 10.0
3.0	107 ± 3.2	107 ± 8.5		108 ± 11.7	
10.0	89 ± 5.6	102 ± 8.0	110 ± 7.9	108 ± 4.8	112 ± 8.7
33.0	104 ± 11.3	97 ± 10.3	110 ± 6.2	101 ± 6.2	113 ± 1.8
100.0	109 ± 12.5	95 ± 9.9	113 ± 4.5	105 ± 2.6	102 ± 9.3
333.0	102 ± 3.5	81 ± 3.7	119 ± 11.1	102 ± 8.1	122 ± 12.7
1000.0			78 ± 13.4 ^s		40 ± 9.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			461 ± 26.6	441 ± 9.1	1336 ± 56.6
Positive Control ³	382 ± 7.7	345 ± 17.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	87 ± 3.1
3.0	104 ± 4.7
10.0	89 ± 6.0
33.0	104 ± 3.0
100.0	87 ± 3.3
333.0	93 ± 2.7
1000.0	
Trial Summary	Negative
Positive Control ²	1132 ± 40.3
Positive Control ³	

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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	23 ± 1.9	28 ± 3.7	8 ± 0.6	10 ± 1.2	9 ± 1.9
3.0	14 ± 0.9	20 ± 3.8		9 ± 0.3	
10.0	14 ± 3.2	21 ± 2.2	7 ± 0.7	8 ± 2.2	10 ± 1.2
33.0	16 ± 1.5	18 ± 1.9	6 ± 0.0	7 ± 0.7	8 ± 0.3
100.0	15 ± 0.3	18 ± 2.8	7 ± 0.9	6 ± 1.0	6 ± 0.3
333.0	15 ± 2.1	20 ± 2.9	6 ± 1.0	5 ± 0.9	7 ± 1.2
1000.0			3 ± 1.2 ^s		2 ± 1.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	519 ± 6.8	324 ± 21.2			
Positive Control ⁴			158 ± 11.5	187 ± 9.9	438 ± 43.0

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3
3.0	7 ± 1.0
10.0	7 ± 2.8
33.0	4 ± 1.2
100.0	7 ± 0.6
333.0	6 ± 1.0
1000.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	452 ± 9.8

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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	7 ± 0.9	7 ± 2.7	6 ± 1.9	3 ± 0.9	8 ± 2.3
3.0	3 ± 0.3	5 ± 1.8		7 ± 0.6	
10.0	4 ± 1.5	5 ± 0.0	5 ± 0.7	7 ± 0.0	3 ± 0.9
33.0	4 ± 0.3	4 ± 0.9	3 ± 0.6	4 ± 0.9	5 ± 0.6
100.0	6 ± 2.2	3 ± 0.0	5 ± 1.2	3 ± 0.7	7 ± 0.3
333.0	2 ± 1.5	5 ± 1.7	5 ± 0.9	4 ± 0.0	5 ± 0.6
1000.0			7 ± 1.2 ^s		2 ± 0.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			128 ± 3.9	105 ± 6.2	298 ± 10.1
Positive Control ⁵	556 ± 5.2	154 ± 23.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.7
3.0	9 ± 1.8
10.0	4 ± 1.2
33.0	5 ± 0.7
100.0	7 ± 0.9
333.0	6 ± 2.1
1000.0	
Trial Summary	Negative
Positive Control ⁴	339 ± 18.3
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 ± 0.3	15 ± 1.9	17 ± 1.8	25 ± 3.8	27 ± 1.5
3.0	18 ± 0.7	15 ± 4.5		25 ± 0.6	
10.0	14 ± 0.7	12 ± 2.2	19 ± 3.5	24 ± 2.6	23 ± 5.0
33.0	11 ± 2.7	8 ± 0.3	22 ± 2.8	22 ± 3.9	25 ± 0.9
100.0	10 ± 1.5	8 ± 0.9	22 ± 2.0	22 ± 2.8	25 ± 2.4
333.0	9 ± 1.8	12 ± 2.5	22 ± 1.9	20 ± 0.7	26 ± 3.4
1000.0			8 ± 4.6 ^s		4 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			402 ± 17.0	404 ± 29.7	1104 ± 32.4
Positive Control ⁶	1034 ± 21.2	354 ± 30.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	30 ± 1.2
3.0	27 ± 6.6
10.0	29 ± 2.1
33.0	23 ± 4.0
100.0	24 ± 3.0
333.0	22 ± 2.5
1000.0	
Trial Summary	Negative
Positive Control ²	1444 ± 62.5
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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

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 ****