

Experiment Number: **182581**

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

G06: Ames Summary Data

Test Compound: **N-Nitrosodimethylamine**

CAS Number: **62-75-9**

Date Report Requested: **09/13/2018**

Time Report Requested: **19:06:27**

NTP Study Number:

182581

Study Result:

Positive

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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	99 ± 9.5	106 ± 5.2	76 ± 5.1	109 ± 9.1	76 ± 6.7
100.0	90 ± 2.2	105 ± 2.2	92 ± 10.4	100 ± 3.8	98 ± 3.7
333.0	103 ± 5.5	104 ± 4.6	95 ± 10.5	136 ± 1.5	127 ± 7.5
1000.0	106 ± 7.3	83 ± 15.4	100 ± 9.0	136 ± 9.5	208 ± 15.8
3333.0	90 ± 2.3	112 ± 6.5	145 ± 4.1	215 ± 16.6	211 ± 11.5
10000.0	95 ± 3.5	114 ± 5.4	206 ± 8.5	283 ± 11.3	286 ± 10.3
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control ²					1398 ± 28.6
Positive Control ³			1339 ± 24.7	606 ± 43.3	
Positive Control ⁴	908 ± 16.4	1112 ± 24.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	101 ± 5.2
100.0	125 ± 7.5
333.0	202 ± 11.1
1000.0	188 ± 12.0
3333.0	230 ± 13.6
10000.0	250 ± 25.4
Trial Summary	Weakly Positive
Positive Control ²	906 ± 98.5
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	29 ± 1.7	24 ± 5.7	9 ± 0.6	10 ± 1.8	8 ± 0.3
100.0	24 ± 3.3	21 ± 1.2	10 ± 0.7	10 ± 1.7	7 ± 0.7
333.0	22 ± 0.3	19 ± 3.2	7 ± 0.7	13 ± 2.6	8 ± 1.2
1000.0	19 ± 0.9	21 ± 4.3	13 ± 0.9	17 ± 4.9	11 ± 1.5
3333.0	22 ± 2.2	26 ± 4.0	27 ± 2.6	39 ± 3.5	34 ± 3.9
10000.0	23 ± 2.5	27 ± 3.2	86 ± 6.1	103 ± 3.7	65 ± 10.4
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control ²					147 ± 6.9
Positive Control ³			173 ± 5.4	206 ± 22.8	
Positive Control ⁴	847 ± 30.0	959 ± 18.7			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 0.9
100.0	16 ± 3.2
333.0	20 ± 1.0
1000.0	18 ± 4.7
3333.0	40 ± 4.7
10000.0	68 ± 11.9
Trial Summary	Positive
Positive Control ²	127 ± 11.4
Positive Control ³	
Positive Control ⁴	

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	66 ± 4.6	97 ± 2.6	92 ± 8.0
100.0	67 ± 3.7	101 ± 2.6	103 ± 2.7
333.0	70 ± 8.9	95 ± 3.3	108 ± 8.7
1000.0	74 ± 3.3	95 ± 3.4	108 ± 3.0
3333.0	81 ± 3.2	114 ± 5.0	99 ± 1.5
10000.0	75 ± 3.6	119 ± 7.0	111 ± 3.9
Trial Summary	Negative	Negative	Negative
Positive Control ²			933 ± 94.7
Positive Control ³		1130 ± 17.0	
Positive Control ⁵	1180 ± 35.1		

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Strain: TA98			
Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.6	19 ± 1.3	19 ± 3.8
100.0	9 ± 1.9	15 ± 2.6	17 ± 1.0
333.0	9 ± 0.9	18 ± 2.3	18 ± 0.0
1000.0	7 ± 0.3	22 ± 2.7	23 ± 1.8
3333.0	10 ± 1.5	20 ± 1.0	16 ± 1.7
10000.0	9 ± 0.6	19 ± 3.4	15 ± 1.5
Trial Summary	Negative	Negative	Negative
Positive Control ²			1412 ± 51.7
Positive Control ³		1371 ± 7.8	
Positive Control ⁶	1231 ± 73.8		

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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: 4.0 ug/Plate 9-Aminoacridine

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

**** END OF REPORT ****