

Experiment Number: **118997**

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

G06: Ames Summary Data

Test Compound: **N-Nitrosodimethylamine**

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

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

Time Report Requested: **01:34:12**

NTP Study Number:

118997

Study Result:

Positive

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Test Compound: **N-Nitrosodimethylamine**

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

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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	128 ± 4.7	123 ± 3.5	115 ± 7.5	109 ± 8.9	125 ± 7.5
100.0		110 ± 1.2		104 ± 3.2	
333.3	113 ± 6.9	107 ± 16.9	125 ± 6.8	110 ± 7.5	331 ± 5.3
1000.0	123 ± 4.1	117 ± 7.6	150 ± 12.3	121 ± 5.0	384 ± 13.0
3333.3	106 ± 7.4	116 ± 7.5	179 ± 15.1	138 ± 8.5	481 ± 20.3
6666.7	105 ± 2.3		179 ± 5.5		554 ± 29.5
10000.0	119 ± 5.0	121 ± 2.6	170 ± 21.5	160 ± 9.4	711 ± 58.6
Trial Summary	Negative	Negative	Weakly Positive	Equivocal	Positive
Positive Control ²			839 ± 28.5	498 ± 19.2	1526 ± 17.3
Positive Control ³	484 ± 9.6	520 ± 8.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	92 ± 4.5
100.0	182 ± 12.9
333.3	211 ± 4.2
1000.0	239 ± 20.6
3333.3	299 ± 7.0
6666.7	
10000.0	461 ± 60.3
Trial Summary	Positive
Positive Control ²	1511 ± 44.1
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	11 ± 2.2	29 ± 4.6	6 ± 1.5	15 ± 2.0	12 ± 2.4
100.0	14 ± 1.5		13 ± 2.4		7 ± 0.9
333.3	21 ± 4.0	17 ± 2.1	14 ± 3.3	14 ± 0.6	11 ± 2.0
1000.0	22 ± 1.2	21 ± 2.7	12 ± 4.9	19 ± 4.7	14 ± 0.9
3333.3	26 ± 3.5	29 ± 1.5	10 ± 2.2	20 ± 3.7	16 ± 2.0
6666.7		19 ± 5.9		11 ± 2.2	
10000.0	24 ± 3.0	24 ± 2.3	33 ± 3.2	11 ± 2.6	21 ± 5.1
Trial Summary	Weakly Positive	Negative	Equivocal	Negative	Negative
Positive Control ³	413 ± 7.4	433 ± 9.9			
Positive Control ⁴			151 ± 1.5	210 ± 6.0	258 ± 6.2

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.8
100.0	
333.3	21 ± 1.9
1000.0	18 ± 4.3
3333.3	25 ± 4.5
6666.7	40 ± 14.6
10000.0	69 ± 13.9
Trial Summary	Positive
Positive Control ³	
Positive Control ⁴	401 ± 10.6

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G06: Ames Summary Data

Test Compound: N-Nitrosodimethylamine

CAS Number: 62-75-9

Date Report Requested: 09/12/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 0.3	10 ± 2.0	7 ± 1.0
100.0	8 ± 2.0	10 ± 2.2	19 ± 4.9
333.3	10 ± 1.7	15 ± 0.6	21 ± 3.2
1000.0	7 ± 1.0	15 ± 0.7	15 ± 3.8
3333.3	9 ± 2.4	10 ± 2.3	16 ± 5.0
10000.0	6 ± 0.9	13 ± 0.6	15 ± 4.0
Trial Summary	Negative	Negative	Weakly Positive
Positive Control ⁴		313 ± 37.0	308 ± 21.4
Positive Control ⁵	178 ± 18.6		

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Test Compound: N-Nitrosodimethylamine

CAS Number: 62-75-9

Date Report Requested: 09/12/2018

Time Report Requested: 01:34:12

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	36 ± 5.2	44 ± 2.6	40 ± 4.3
100.0	35 ± 2.3	42 ± 1.0	42 ± 2.8
333.3	42 ± 5.2	38 ± 5.2	43 ± 1.9
1000.0	40 ± 2.0	43 ± 5.9	43 ± 1.5
3333.3	38 ± 5.7	36 ± 3.7	44 ± 5.1
10000.0	39 ± 4.7	40 ± 5.2	45 ± 7.0
Trial Summary	Negative	Negative	Negative
Positive Control ²		839 ± 12.5	1208 ± 12.7
Positive Control ⁶	436 ± 30.4		

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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 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

**** END OF REPORT ****