

Experiment Number: 868421

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

G06: Ames Summary Data

Test Compound: **N-Nitrosodiphenylamine**

CAS Number: 86-30-6

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

Time Report Requested: **16:10:21**

NTP Study Number:

868421

Study Result:

Negative

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Test Compound: N-Nitrosodiphenylamine

CAS Number: 86-30-6

Date Report Requested: 09/16/2018

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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	95 ± 5.5	82 ± 6.2	209 ± 1.3	95 ± 2.3	95 ± 9.7
1.0		84 ± 7.4			
3.3	90 ± 10.1	90 ± 9.0	200 ± 8.1	91 ± 6.1	91 ± 3.5
10.0	82 ± 4.9	84 ± 6.2	203 ± 17.3	89 ± 2.0	114 ± 5.0
33.0	86 ± 8.4	86 ± 4.7	206 ± 1.7	96 ± 10.9	101 ± 7.5
100.0	64 ± 5.5 ^s	61 ± 3.6 ^s	177 ± 14.4	102 ± 5.9	107 ± 5.7
200.0	61 ± 6.5 ^s		158 ± 2.1 ^s	90 ± 3.6 ^s	122 ± 5.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					260 ± 14.2
Positive Control ³	234 ± 6.1	429 ± 7.6			
Positive Control ⁴			424 ± 17.9		
Positive Control ⁵					
Positive Control ⁶				323 ± 16.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	86 ± 14.7
1.0	
3.3	97 ± 6.0
10.0	96 ± 10.2
33.0	92 ± 5.5
100.0	111 ± 5.7
200.0	76 ± 3.2 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	363 ± 16.5
Positive Control ⁶	

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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	23 ± 3.0	22 ± 0.9	21 ± 1.7	11 ± 2.4	16 ± 1.8
1.0	19 ± 0.6	23 ± 1.0			
3.3	23 ± 2.9	27 ± 6.1	17 ± 1.8	10 ± 0.6	13 ± 1.9
10.0	26 ± 4.2	30 ± 4.4	18 ± 4.3	10 ± 1.5	12 ± 2.3
33.0	26 ± 1.3	37 ± 5.6	16 ± 0.9	9 ± 0.6	18 ± 2.8
100.0	8 ± 2.9 ^s	7 ± 2.0 ^s	18 ± 2.0	14 ± 1.8	12 ± 1.2
200.0			17 ± 1.2 ^s	11 ± 0.3 ^s	15 ± 3.7 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					86 ± 10.6
Positive Control ³	230 ± 29.6	263 ± 11.2			
Positive Control ⁵					
Positive Control ⁶			222 ± 11.3	163 ± 6.4	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	7 ± 3.2
1.0	
3.3	10 ± 1.8
10.0	5 ± 1.3
33.0	8 ± 1.8
100.0	12 ± 1.7
200.0	9 ± 3.2 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	219 ± 13.4
Positive Control ⁶	

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CAS Number: 86-30-6

Date Report Requested: 09/16/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.7	8 ± 2.2	16 ± 3.2	12 ± 1.5	9 ± 2.0
1.0	8 ± 1.9	4 ± 1.2			
3.3	8 ± 1.5	5 ± 2.3	12 ± 2.3	12 ± 1.3	9 ± 1.8
10.0	3 ± 0.9	7 ± 0.7	14 ± 1.7	9 ± 1.9	11 ± 1.5
33.0	6 ± 1.5	7 ± 0.9	14 ± 0.6	8 ± 1.5	10 ± 0.9
100.0	4 ± 1.2 ^s	4 ± 1.2 ^s	14 ± 2.2	9 ± 1.5	7 ± 1.5
200.0			10 ± 0.9 ^s	9 ± 2.8	8 ± 2.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					121 ± 1.8
Positive Control ⁶			161 ± 7.8		
Positive Control ⁷				55 ± 2.7	
Positive Control ⁸	630 ± 68.2	126 ± 12.4			

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Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	6 ± 0.7
1.0	
3.3	8 ± 2.3
10.0	7 ± 0.6
33.0	8 ± 0.0
100.0	11 ± 1.0
200.0	10 ± 0.6 ^s
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	111 ± 15.5
Positive Control 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	87 ± 5.8	81 ± 4.1	214 ± 9.4	170 ± 13.5	210 ± 8.5
1.0	94 ± 3.9	76 ± 9.7			
3.3	80 ± 7.8	79 ± 1.3	233 ± 1.5	123 ± 2.8	189 ± 7.9
10.0	72 ± 1.5	67 ± 3.1	235 ± 17.8	126 ± 3.5	183 ± 12.0
33.0	56 ± 10.4	76 ± 2.3	245 ± 10.3	130 ± 10.8	201 ± 22.6
100.0	12 ± 3.2 ^s	8 ± 1.5 ^s	265 ± 12.5	124 ± 4.4	220 ± 4.8
200.0			178 ± 7.8 ^s	130 ± 5.5	141 ± 3.5 ^s
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ⁴					543 ± 15.5
Positive Control ⁶			873 ± 77.4		
Positive Control ⁷				398 ± 7.8	
Positive Control ⁹	509 ± 19.8	235 ± 19.6			

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CAS Number: **86-30-6**

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

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	128 ± 3.7
1.0	
3.3	119 ± 4.3
10.0	129 ± 9.2
33.0	126 ± 10.7
100.0	132 ± 3.9
200.0	140 ± 7.0
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	696 ± 22.7
Positive Control ⁹	

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Date Report Requested: 09/16/2018

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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	13 ± 1.8	27 ± 4.5	19 ± 1.2	22 ± 1.7
1.0	11 ± 0.3	11 ± 1.8			
3.3	15 ± 1.7	13 ± 0.3	29 ± 1.2	21 ± 2.1	21 ± 1.7
10.0	13 ± 1.8	10 ± 4.8	24 ± 0.6	20 ± 3.1	25 ± 0.6
33.0	15 ± 4.7	12 ± 2.2	20 ± 2.0	21 ± 1.7	24 ± 4.0
100.0	7 ± 0.0 ^s	8 ± 3.6 ^s	21 ± 1.0	20 ± 2.9 ^s	25 ± 2.8
200.0			17 ± 1.3 ^s	22 ± 2.6 ^s	19 ± 1.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					193 ± 6.7
Positive Control ²			158 ± 8.1		
Positive Control ¹¹	112 ± 8.7	157 ± 12.3			
Positive Control ⁵				152 ± 16.4	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	26 ± 5.0
1.0	
3.3	24 ± 1.7
10.0	18 ± 3.0
33.0	19 ± 2.2
100.0	27 ± 1.5
200.0	25 ± 2.2 ^s
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	164 ± 24.1
Positive Control ¹¹	
Positive Control ⁵	

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****