

Experiment Number: 755993

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

G06: Ames Summary Data

Test Compound: **N,N'-Diethylcarbanilide**

CAS Number: **85-98-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **15:01:02**

NTP Study Number:

755993

Study Result:

Negative

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G06: Ames Summary Data

Test Compound: N,N'-Diethylcarbanilide
CAS Number: 85-98-3

Date Report Requested: 09/17/2018

Time Report Requested: 15:01:02

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	132 ± 12.7	108 ± 3.2	169 ± 5.6	153 ± 3.3	139 ± 16.9
3.0		124 ± 22.2			
10.0	121 ± 7.4	109 ± 9.5	157 ± 10.7	113 ± 1.2	139 ± 9.0
33.0	134 ± 9.4	105 ± 16.7	151 ± 14.3	120 ± 9.2	126 ± 23.7
100.0	125 ± 7.9	114 ± 17.7	140 ± 7.4	109 ± 6.7	140 ± 13.1
166.0		100 ± 15.3			
333.0	75 ± 7.8 ^s		141 ± 2.5	99 ± 7.1	100 ± 7.1
666.0				114 ± 8.7	
1000.0	81 ± 5.2 ^s		113 ± 17.3		97 ± 7.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1089 ± 78.1
Positive Control ³			817 ± 21.8	304 ± 1.5	
Positive Control ⁴	509 ± 9.0	547 ± 8.0			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	131 ± 7.4
3.0	
10.0	146 ± 14.9
33.0	142 ± 2.3
100.0	123 ± 11.8
166.0	
333.0	113 ± 12.1
666.0	100 ± 11.7
1000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	766 ± 29.1
Positive Control ⁴	

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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	19 ± 3.2	27 ± 0.6	15 ± 1.5	13 ± 3.2	17 ± 0.9
3.0		27 ± 1.2			
10.0	17 ± 2.1	25 ± 1.5	13 ± 1.8	10 ± 1.8	13 ± 3.0
33.0	20 ± 3.3	24 ± 2.1	10 ± 0.6	10 ± 1.0	9 ± 1.8
100.0	17 ± 1.2	24 ± 1.5	7 ± 1.2	9 ± 2.2	11 ± 1.8
166.0		25 ± 2.6			
333.0	15 ± 1.0		7 ± 2.6	10 ± 3.2	10 ± 1.2
666.0				8 ± 2.6	
1000.0	21 ± 4.0		9 ± 1.2		9 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					380 ± 9.5
Positive Control ⁴	393 ± 28.8	417 ± 12.9			
Positive Control ⁵			267 ± 7.4	92 ± 5.8	

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Test Compound: **N,N'-Diethylcarbanilide**

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Date Report Requested: **09/17/2018**

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 1.5
3.0	
10.0	12 ± 1.5
33.0	12 ± 1.7
100.0	13 ± 3.8
166.0	
333.0	9 ± 1.2
666.0	10 ± 1.2
1000.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	418 ± 18.2

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Test Compound: N,N'-Diethylcarbanilide
CAS Number: 85-98-3

Date Report Requested: 09/17/2018

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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	151 ± 11.7	143 ± 10.5	173 ± 18.3	176 ± 12.4	176 ± 12.3
3.0		118 ± 13.9			
10.0	182 ± 7.5	109 ± 3.7	177 ± 13.4	162 ± 19.9	190 ± 12.2
33.0	181 ± 9.1	138 ± 13.7	191 ± 4.9	163 ± 24.5	197 ± 5.5
100.0	161 ± 8.1	136 ± 19.4	186 ± 6.5	162 ± 27.1	174 ± 5.7
166.0		115 ± 16.5			
333.0	97 ± 16.0 ^s		164 ± 8.1	144 ± 29.5	134 ± 6.5
666.0				146 ± 24.0	
1000.0	24 ± 3.2 ^s		83 ± 10.9		95 ± 12.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					442 ± 24.0
Positive Control ³			326 ± 12.9		
Positive Control ⁵				405 ± 13.9	
Positive Control ⁶	539 ± 25.0	962 ± 23.2			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	131 ± 11.5
3.0	
10.0	148 ± 7.8
33.0	165 ± 12.9
100.0	135 ± 14.4
166.0	
333.0	126 ± 9.5
666.0	90 ± 27.2 ^s
1000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	524 ± 14.2
Positive Control ⁵	
Positive Control ⁶	

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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	30 ± 4.2	26 ± 2.1	43 ± 5.5	42 ± 4.5	37 ± 3.3
3.0		25 ± 2.3			
10.0	25 ± 4.2	25 ± 3.8	37 ± 3.4	27 ± 0.9	33 ± 4.4
33.0	28 ± 1.9	26 ± 3.5	37 ± 7.0	31 ± 6.7	40 ± 7.3
100.0	24 ± 1.9	28 ± 5.4	35 ± 2.6	27 ± 5.1	35 ± 2.7
166.0		23 ± 3.3			
333.0	12 ± 0.3 ^s		27 ± 2.2	27 ± 3.0	33 ± 2.5
666.0				25 ± 5.0	
1000.0	12 ± 2.8 ^s		20 ± 0.9 ^s		21 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					391 ± 17.5
Positive Control ³			293 ± 20.7	111 ± 0.7	
Positive Control ⁷	834 ± 52.3	1014 ± 11.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	43 ± 4.0
3.0	
10.0	33 ± 3.0
33.0	39 ± 9.7
100.0	48 ± 1.7
166.0	
333.0	30 ± 3.7
666.0	27 ± 2.1
1000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	401 ± 15.1
Positive Control ⁷	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****