

Experiment Number: 194287

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

G06: Ames Summary Data

Test Compound: **N-Ethyl aniline**

CAS Number: **103-69-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **07:30:59**

NTP Study Number:

194287

Study Result:

Negative

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Mutagenicity**G06: Ames Summary Data**

Test Compound: N-Ethyl aniline

CAS Number: 103-69-5

Date Report Requested: 09/14/2018

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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	129 ± 7.9	83 ± 2.4	167 ± 4.2	141 ± 10.7	144 ± 9.2
10.0		62 ± 0.0			
33.0	148 ± 5.8	82 ± 5.7	177 ± 6.7	132 ± 12.4	152 ± 11.0
100.0	131 ± 5.5	88 ± 6.4	180 ± 11.6	120 ± 14.1	145 ± 4.9
333.0	167 ± 7.4	88 ± 8.8	175 ± 7.8	113 ± 14.7	146 ± 3.2
1000.0	93 ± 9.3	61 ± 20.7	85 ± 4.3	125 ± 9.0	120 ± 15.0
1666.0	Toxic		0 ± 0.0 ^s	119 ± 5.5	137 ± 7.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			661 ± 31.8	229 ± 13.6	1595 ± 32.0
Positive Control ³	355 ± 38.7	274 ± 18.1			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	109 ± 15.9
10.0	
33.0	115 ± 5.2
100.0	114 ± 7.8
333.0	116 ± 4.1
1000.0	110 ± 10.0
1666.0	145 ± 5.0
Trial Summary	Negative
Positive Control ²	411 ± 25.1
Positive Control ³	

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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	24 ± 2.2	12 ± 3.2	10 ± 1.9	10 ± 2.5	8 ± 0.7
10.0		9 ± 3.0			
33.0	23 ± 3.4	15 ± 1.0	7 ± 1.0	8 ± 1.5	9 ± 1.5
100.0	23 ± 1.5	13 ± 1.2	10 ± 1.2	10 ± 0.7	9 ± 4.0
333.0	35 ± 2.3	14 ± 2.9	11 ± 1.5	8 ± 0.0	9 ± 2.3
1000.0	31 ± 4.9	15 ± 6.6	7 ± 2.4	6 ± 1.7	7 ± 3.0
1666.0	Toxic		5 ± 0.6	6 ± 1.5	4 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	497 ± 15.2	198 ± 6.9			
Positive Control ⁴			210 ± 0.3	93 ± 4.1	549 ± 18.2

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Date Report Requested: **09/14/2018**

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	6 ± 1.5
10.0	
33.0	7 ± 1.3
100.0	6 ± 1.5
333.0	8 ± 1.5
1000.0	10 ± 0.6
1666.0	8 ± 0.3
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	571 ± 14.5

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Mutagenicity**G06: Ames Summary Data**

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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	175 ± 3.6	163 ± 11.1	216 ± 5.0	230 ± 11.8	164 ± 12.1
10.0		168 ± 18.8			
33.0	189 ± 9.8	153 ± 11.3	213 ± 15.3	206 ± 13.0	178 ± 7.2
100.0	181 ± 5.5	159 ± 11.7	208 ± 6.7	219 ± 11.9	177 ± 9.8
333.0	173 ± 7.1	154 ± 12.8	207 ± 2.3	200 ± 16.2	162 ± 4.3
1000.0	108 ± 5.2	132 ± 11.6	189 ± 13.0	172 ± 5.0	151 ± 15.9
1666.0	Toxic		167 ± 4.4	157 ± 35.8	146 ± 18.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			1018 ± 14.3	416 ± 34.9	1418 ± 26.0
Positive Control ⁵	642 ± 54.0	564 ± 48.7			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	196 ± 11.1
10.0	
33.0	192 ± 3.0
100.0	175 ± 4.5
333.0	179 ± 15.1
1000.0	191 ± 7.5
1666.0	174 ± 4.5
Trial Summary	Negative
Positive Control ⁴	950 ± 10.3
Positive Control ⁵	

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Mutagenicity**G06: Ames Summary Data**

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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	19 ± 5.1	13 ± 2.0	31 ± 3.6	24 ± 4.2	30 ± 4.3
10.0		13 ± 1.0			
33.0	25 ± 0.9	12 ± 2.5	30 ± 1.2	19 ± 0.7	31 ± 3.8
100.0	27 ± 5.9	17 ± 2.2	26 ± 3.6	21 ± 3.8	28 ± 1.8
333.0	22 ± 3.0	8 ± 2.1	28 ± 1.2	19 ± 3.5	28 ± 1.2
1000.0	15 ± 1.7	9 ± 2.2 ^s	28 ± 7.2	24 ± 1.5	33 ± 3.7
1666.0	Toxic		20 ± 2.9	17 ± 2.6	29 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			235 ± 7.5	116 ± 21.6	761 ± 15.3
Positive Control ⁶	883 ± 60.5	512 ± 23.4			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 1.2
10.0	
33.0	24 ± 3.3
100.0	21 ± 2.3
333.0	24 ± 4.5
1000.0	25 ± 5.7
1666.0	36 ± 1.9
Trial Summary	Negative
Positive Control ²	350 ± 50.3
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 ****