

Experiment Number: 758929

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

G06: Ames Summary Data

Test Compound: **5-Nitro-o-toluidine**

CAS Number: **99-55-8**

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

Time Report Requested: **15:23:44**

NTP Study Number:

758929

Study Result:

Positive

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Test Compound: 5-Nitro-o-toluidine

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	155 ± 7.7	134 ± 4.7	142 ± 3.2	137 ± 14.7	153 ± 4.7
10.0					
33.0	152 ± 4.7	126 ± 5.4	157 ± 4.8	161 ± 6.7	207 ± 4.0
100.0	188 ± 3.5	138 ± 11.5	191 ± 19.4	174 ± 11.8	314 ± 24.6
333.0	250 ± 12.2	180 ± 4.7	274 ± 9.0	200 ± 5.0	426 ± 9.3
1000.0	437 ± 9.5	272 ± 5.9	395 ± 17.3	302 ± 1.0	611 ± 20.2
1666.0		286 ± 11.8		303 ± 16.7	
3333.0	197 ± 24.9 ^s		299 ± 14.3 ^s		0 ± 0.0 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	670 ± 2.9	569 ± 8.0			
Positive Control ³					454 ± 16.0
Positive Control ⁴			361 ± 16.1	444 ± 7.8	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	141 ± 6.4
10.0	168 ± 6.9
33.0	200 ± 7.1
100.0	268 ± 2.3
333.0	359 ± 6.4
1000.0	455 ± 8.7
1666.0	
3333.0	
Trial Summary	Positive
Positive Control ²	
Positive Control ³	495 ± 11.9
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	23 ± 1.7	18 ± 1.8	33 ± 4.4	25 ± 3.2	38 ± 5.6
10.0		23 ± 3.2			
33.0	60 ± 1.5	38 ± 8.4	39 ± 1.0	28 ± 1.0	66 ± 1.7
100.0	102 ± 1.8	77 ± 6.6	42 ± 6.4	36 ± 3.2	152 ± 6.1
166.0		122 ± 10.1		48 ± 2.2	
333.0	386 ± 10.7	204 ± 11.7	106 ± 2.1	80 ± 3.8	760 ± 12.5
1000.0	661 ± 16.1		251 ± 2.7	163 ± 22.3	1328 ± 43.6
3333.0	0 ± 0.0 ^s		0 ± 0.0 ^s		0 ± 0.0 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³			94 ± 4.2	162 ± 7.7	258 ± 6.2
Positive Control ⁵	554 ± 7.3	464 ± 26.5			

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G06: Ames Summary Data

Test Compound: 5-Nitro-o-toluidine

CAS Number: 99-55-8

Date Report Requested: 09/17/2018

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	30 ± 4.5
10.0	28 ± 3.7
33.0	34 ± 2.2
100.0	70 ± 4.7
166.0	89 ± 5.9
333.0	154 ± 2.8
1000.0	
3333.0	
Trial Summary	Positive
Positive Control ³	309 ± 19.1
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: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****