

Experiment Number: 222957

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Aminoazotoluene

CAS Number: 97-56-3

Date Report Requested: 09/14/2018

Time Report Requested: 21:35:15

NTP Study Number:

222957

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	139 ± 8.4	140 ± 1.2	161 ± 9.8	122 ± 17.9	136 ± 7.9
0.3	122 ± 13.9				
1.0	139 ± 7.2				
3.0	130 ± 12.0	143 ± 14.1	185 ± 13.6	152 ± 6.0	147 ± 7.9
10.0	136 ± 3.6	167 ± 3.0	197 ± 6.3	195 ± 4.6	255 ± 3.9
16.0			219 ± 20.2		374 ± 27.4
33.0	51 ± 11.0	356 ± 16.2	385 ± 15.2	619 ± 45.8	555 ± 26.7
66.0		644 ± 23.7	616 ± 52.2	793 ± 36.2	695 ± 28.7
100.0		831 ± 48.7		848 ± 64.1	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				832 ± 34.1	900 ± 12.7
Positive Control ³		568 ± 22.5	620 ± 25.2		
Positive Control ⁴	1036 ± 10.2				

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	29 ± 3.7	35 ± 5.7	46 ± 3.2	31 ± 1.8	40 ± 2.7
0.3	28 ± 1.5				
1.0	28 ± 1.9				
3.0	30 ± 1.8	35 ± 2.5	43 ± 3.8	36 ± 4.4	48 ± 4.6
10.0	38 ± 0.7	45 ± 7.4	52 ± 0.6	117 ± 8.6	107 ± 4.2
16.0			91 ± 10.9		208 ± 5.1
33.0	18 ± 1.5 ^s	211 ± 28.5	215 ± 3.8	330 ± 28.6	355 ± 27.8
66.0		195 ± 9.9	417 ± 12.7	506 ± 17.1	511 ± 28.2
100.0		278 ± 19.3		613 ± 14.2	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		155 ± 14.3	102 ± 7.6	488 ± 24.9	525 ± 45.2
Positive Control ⁵	432 ± 19.0				

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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: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

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

s: Slight Toxicity

**** END OF REPORT ****