

Experiment Number: 607798

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Anisidine

CAS Number: 90-04-0

Date Report Requested: 09/15/2018

Time Report Requested: 01:19:40

NTP Study Number:

607798

Study Result:

Positive

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G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **o-Anisidine**

Time Report Requested: 01:19:40

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	104 ± 6.4	133 ± 3.1	159 ± 9.7	120 ± 8.4	133 ± 6.4
10.0				164 ± 10.5	131 ± 13.9
33.0				248 ± 17.2	162 ± 9.6
66.0				328 ± 11.1	308 ± 16.5
100.0	106 ± 4.2	134 ± 7.5	184 ± 11.6	431 ± 14.0	549 ± 5.7
333.0	114 ± 6.1	168 ± 21.4	215 ± 1.7	456 ± 74.6	573 ± 58.3
666.0			263 ± 5.3		
1000.0	125 ± 4.9	205 ± 7.3	291 ± 7.0		
3333.0	116 ± 5.2	203 ± 6.2	262 ± 17.3		
6666.0	103 ± 7.2				
10000.0		97 ± 26.9			
Trial Summary	Negative	Weakly Positive	Positive	Positive	Positive
Positive Control ²				1187 ± 61.5	746 ± 27.8
Positive Control ³	430 ± 15.3				
Positive Control ⁴		1116 ± 12.3	552 ± 38.9		

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Strain: TA98				
Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 2.6	33 ± 3.6	26 ± 2.4	29 ± 5.8
3.0				25 ± 3.9
10.0			27 ± 0.7	40 ± 5.5
33.0			34 ± 2.5	46 ± 2.2
66.0			40 ± 5.2	
100.0	16 ± 3.2	31 ± 1.5	45 ± 3.5	45 ± 3.1
333.0	16 ± 0.3	30 ± 1.8	56 ± 0.9	56 ± 3.5
1000.0	18 ± 3.2	41 ± 1.8		
3333.0	19 ± 0.7	30 ± 7.4		
6666.0	17 ± 2.9			
10000.0		17 ± 3.5		
Trial Summary	Negative	Negative	Weakly Positive	Weakly Positive
Positive Control ²		154 ± 11.0	353 ± 22.9	237 ± 19.4
Positive Control ⁵	815 ± 72.9			

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

**** END OF REPORT ****