

Experiment Number: 577140

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

G06: Ames Summary Data

Test Compound: **p-Anisidine**

CAS Number: **104-94-9**

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

Time Report Requested: **10:56:36**

NTP Study Number:

577140

Study Result:

Positive

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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	101 ± 10.7	113 ± 5.1	97 ± 6.2	128 ± 6.1	122 ± 6.0
10.0			121 ± 12.1	137 ± 4.7	134 ± 6.7
33.0			162 ± 8.3	154 ± 5.9	184 ± 9.2
100.0	105 ± 6.7	126 ± 2.3	181 ± 7.4	169 ± 4.3	268 ± 23.6
333.0	122 ± 11.8	120 ± 4.9	192 ± 12.3	153 ± 6.6	293 ± 23.1
1000.0	118 ± 1.7	147 ± 3.3	181 ± 2.9	160 ± 10.9	364 ± 14.4
3333.0	150 ± 13.0 ^s	129 ± 17.8 ^s			
10000.0	158 ± 8.4 ^s	Toxic			
Trial Summary	Equivocal	Equivocal	Positive	Equivocal	Positive
Positive Control ²	349 ± 8.6	414 ± 5.9			
Positive Control ³					773 ± 12.3
Positive Control ⁴			537 ± 17.9	826 ± 30.1	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	115 ± 6.2
10.0	160 ± 4.8
33.0	211 ± 5.7
100.0	306 ± 14.7
333.0	360 ± 3.8
1000.0	407 ± 4.1
3333.0	
10000.0	
Trial Summary	Positive
Positive Control ²	
Positive Control ³	420 ± 17.6
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 2.1	28 ± 3.5	37 ± 1.3
10.0		30 ± 4.3	34 ± 1.2
33.0		34 ± 2.0	36 ± 1.0
100.0	17 ± 2.8	33 ± 2.1	33 ± 5.4
333.0	14 ± 1.5	34 ± 2.4	39 ± 3.2
1000.0	17 ± 2.3	26 ± 2.6	38 ± 3.3
3333.0	15 ± 0.6 ^s		
10000.0	15 ± 1.9 ^s		
Trial Summary	Negative	Negative	Negative
Positive Control ⁵			133 ± 4.3
Positive Control ³		162 ± 4.3	
Positive Control ⁶	155 ± 7.5		

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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: Acetone

2: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****