

Experiment Number: 122116

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

G06: Ames Summary Data

Test Compound: **p-Amino acetanilide**

CAS Number: **122-80-5**

Date Report Requested: **09/12/2018**

Time Report Requested: **02:05:27**

NTP Study Number:

122116

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	118 ± 4.3	112 ± 3.8	97 ± 3.6
100.0	120 ± 0.7	116 ± 5.0	94 ± 3.5
333.0	114 ± 3.9	104 ± 7.5	91 ± 1.7
1000.0	120 ± 2.0	115 ± 2.6	102 ± 7.8
3333.0	102 ± 3.9	108 ± 3.0	112 ± 5.1
10000.0	120 ± 0.3	97 ± 3.5	119 ± 9.0
Trial Summary	Negative	Negative	Negative
Positive Control ²			824 ± 21.8
Positive Control ³		1366 ± 29.6	
Positive Control ⁴	1268 ± 38.9		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	29 ± 4.0	13 ± 0.3	12 ± 1.2
100.0	29 ± 4.2	12 ± 2.3	8 ± 0.9
333.0	26 ± 1.5	6 ± 1.2	12 ± 2.1
1000.0	23 ± 1.2	13 ± 1.3	11 ± 0.3
3333.0	21 ± 5.5	8 ± 1.7	10 ± 1.5
10000.0	26 ± 3.0	9 ± 1.3	9 ± 1.9
Trial Summary	Negative	Negative	Negative
Positive Control ²			76 ± 2.0
Positive Control ³		81 ± 2.0	
Positive Control ⁴	1059 ± 49.3		

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	84 ± 3.0	77 ± 4.9	118 ± 6.4	111 ± 6.7	110 ± 1.0
100.0	83 ± 0.7	62 ± 1.2	113 ± 1.8	107 ± 7.1	114 ± 9.1
333.0	75 ± 1.2	61 ± 5.6	125 ± 5.5	139 ± 4.6	121 ± 5.0
1000.0	63 ± 4.6	49 ± 1.3	124 ± 3.3	104 ± 4.4	154 ± 8.4
3333.0	67 ± 1.9	67 ± 7.0	140 ± 8.1	149 ± 17.3	236 ± 6.8
10000.0	76 ± 2.0	80 ± 4.2	126 ± 6.6	120 ± 12.2	222 ± 11.9
Trial Summary	Negative	Negative	Negative	Negative	Weakly Positive
Positive Control ²					522 ± 46.8
Positive Control ³			1013 ± 41.1	1425 ± 57.6	
Positive Control ⁵	553 ± 73.8	1034 ± 67.0			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	124 ± 9.0
100.0	118 ± 5.0
333.0	139 ± 8.1
1000.0	155 ± 12.9
3333.0	220 ± 9.9
10000.0	219 ± 9.5
Trial Summary	Weakly Positive
Positive Control ²	1062 ± 40.1
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 2.7	17 ± 1.5	26 ± 1.9	39 ± 4.2	35 ± 2.3
100.0	18 ± 1.2	19 ± 1.2	34 ± 1.2	40 ± 2.7	45 ± 3.5
333.0	16 ± 0.3	18 ± 4.7	42 ± 3.6	56 ± 1.5	59 ± 3.4
1000.0	18 ± 0.7	20 ± 2.0	64 ± 0.9	74 ± 8.8	125 ± 9.3
3333.0	16 ± 0.3	17 ± 1.5	74 ± 6.0	104 ± 4.7	249 ± 18.0
10000.0	16 ± 2.6	17 ± 3.6	82 ± 1.2	106 ± 7.2	225 ± 4.4
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control ²					865 ± 46.3
Positive Control ³			1422 ± 52.2	1856 ± 34.8	
Positive Control ⁶	1796 ± 34.8	1770 ± 39.6			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	37 ± 1.2
100.0	95 ± 27.6
333.0	83 ± 4.8
1000.0	162 ± 3.1
3333.0	251 ± 18.8
10000.0	262 ± 9.0
Trial Summary	Positive
Positive Control ²	1519 ± 20.1
Positive Control 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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 4.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****