

Experiment Number: 074958

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: p-Nitroaniline

CAS Number: 100-01-6

Date Report Requested: 09/11/2018

Time Report Requested: 00:27:11

NTP Study Number:

074958

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	133 ± 1.8	110 ± 3.3	120 ± 2.1
100.0	102 ± 3.4	128 ± 6.4	120 ± 11.9
333.0	102 ± 17.4	124 ± 17.1	123 ± 12.5
1000.0	112 ± 8.9	132 ± 9.2	138 ± 6.0
3333.0	83 ± 11.0	95 ± 3.7	91 ± 8.3
6666.0	20 ± 8.6	34 ± 5.0	33 ± 14.6
Trial Summary	Negative	Negative	Negative
Positive Control ²		777 ± 12.8	1841 ± 76.4
Positive Control ³	379 ± 15.4		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 3.8	14 ± 0.3	10 ± 0.6
100.0	22 ± 5.9	11 ± 0.9	9 ± 0.4
333.0	22 ± 4.2	9 ± 1.5	11 ± 0.3
1000.0	26 ± 3.0	11 ± 2.0	11 ± 2.3
3333.0	15 ± 3.1	8 ± 1.5	8 ± 1.3
6666.0	8 ± 3.2	3 ± 0.9	5 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control ³	383 ± 22.4		
Positive Control ⁴		233 ± 22.2	469 ± 18.1

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	122 ± 9.2	146 ± 13.6	145 ± 6.5
100.0	128 ± 2.5	179 ± 9.4	158 ± 8.4
333.0	119 ± 5.0	173 ± 7.0	169 ± 2.8
1000.0	137 ± 7.5	163 ± 4.4	179 ± 3.1
3333.0	105 ± 9.3	117 ± 20.6	168 ± 13.0
6666.0	12 ± 6.0 ^s	12 ± 4.7 ^s	31 ± 14.8 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		1194 ± 27.5	1190 ± 15.0
Positive Control ⁵	810 ± 8.3		

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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 ± 1.3	23 ± 2.5	29 ± 0.6	46 ± 6.9	27 ± 2.0
100.0	26 ± 3.3	31 ± 3.5	39 ± 0.9	57 ± 3.3	46 ± 2.6
333.0	30 ± 1.5	27 ± 3.2	57 ± 6.3	73 ± 0.6	70 ± 3.6
1000.0	51 ± 2.3	41 ± 7.5	95 ± 6.4	104 ± 18.3	105 ± 7.8
3333.0	117 ± 6.4	98 ± 2.5	179 ± 2.4	197 ± 27.2	191 ± 9.9
6666.0	84 ± 19.1	78 ± 7.6	169 ± 35.5	290 ± 18.6	171 ± 15.9
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			369 ± 9.0	768 ± 25.8	770 ± 18.3
Positive Control ⁶	1007 ± 41.6	497 ± 16.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	49 ± 0.6
100.0	53 ± 5.9
333.0	92 ± 8.6
1000.0	140 ± 3.8
3333.0	208 ± 12.7
6666.0	174 ± 36.3
Trial Summary	Positive
Positive Control ²	1126 ± 41.6
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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

** END OF REPORT **