

Experiment Number: 615042

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: p-Nitroaniline

CAS Number: 100-01-6

Date Report Requested: 09/15/2018

Time Report Requested: 07:17:22

NTP Study Number:

615042

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	120 ± 1.7	154 ± 3.2	147 ± 9.5
100.0	125 ± 3.8	156 ± 4.0	166 ± 9.1
333.0	124 ± 2.2	167 ± 4.3	167 ± 3.0
1000.0	111 ± 3.0	166 ± 5.3	161 ± 3.5
3333.0	88 ± 4.2	134 ± 9.4	131 ± 5.9
6666.0	15 ± 2.5	19 ± 0.6	38 ± 4.4
Trial Summary	Negative	Negative	Negative
Positive Control ²			1292 ± 40.3
Positive Control ³		1165 ± 74.0	
Positive Control ⁴	1182 ± 20.9		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	26 ± 1.8	17 ± 2.5	13 ± 4.1
100.0	23 ± 2.9	14 ± 1.0	10 ± 2.4
333.0	17 ± 0.6	14 ± 1.5	9 ± 1.0
1000.0	24 ± 1.2	8 ± 0.3	8 ± 1.2
3333.0	20 ± 3.7	10 ± 2.9	11 ± 0.7
6666.0	8 ± 0.9	6 ± 1.8	6 ± 3.3
Trial Summary	Negative	Negative	Negative
Positive Control ²			73 ± 4.9
Positive Control ³		69 ± 4.3	
Positive Control ⁴	910 ± 9.0		

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.3	4 ± 1.5	6 ± 0.6	9 ± 2.2	5 ± 0.9
100.0	8 ± 0.7		6 ± 1.2		8 ± 1.9
333.0	4 ± 1.2	8 ± 2.6	10 ± 1.5	10 ± 0.9	11 ± 1.3
1000.0	11 ± 1.5	14 ± 1.2	7 ± 1.7	10 ± 1.2	11 ± 2.9
2000.0		14 ± 1.7		8 ± 2.0	
3333.0	11 ± 2.0	11 ± 2.2	10 ± 1.0	9 ± 2.7	13 ± 0.9
4000.0		13 ± 0.9		16 ± 1.8	
6666.0	9 ± 1.3	10 ± 3.2	7 ± 0.6	8 ± 3.7	4 ± 0.6
Trial Summary	Negative	Equivocal	Negative	Negative	Equivocal
Positive Control ²					57 ± 5.7
Positive Control ³			74 ± 8.5	68 ± 7.2	
Positive Control ⁵	369 ± 59.9	511 ± 68.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.0
100.0	
333.0	14 ± 1.3
1000.0	15 ± 2.5
2000.0	16 ± 1.7
3333.0	17 ± 1.3
4000.0	13 ± 0.3
6666.0	6 ± 0.9
Trial Summary	Negative
Positive Control ²	92 ± 19.4
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	14 ± 0.9	16 ± 0.6	26 ± 2.0	28 ± 2.2	27 ± 1.5
10.0		16 ± 2.4		26 ± 2.7	
100.0	18 ± 3.3		31 ± 1.0		46 ± 3.5
333.0	18 ± 0.7	24 ± 5.0	44 ± 1.7	37 ± 3.0	61 ± 4.1
1000.0	43 ± 3.0	53 ± 7.3	74 ± 7.5	73 ± 5.9	103 ± 6.4
3333.0	63 ± 7.4	62 ± 7.1	126 ± 10.1	158 ± 5.9	145 ± 7.5
6666.0	33 ± 6.7	24 ± 4.8	58 ± 2.6	58 ± 3.5	53 ± 1.7
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					1209 ± 47.7
Positive Control ³			1053 ± 9.9	707 ± 42.7	
Positive Control ⁶	1362 ± 49.8	1326 ± 50.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	30 ± 5.4
10.0	28 ± 5.6
100.0	
333.0	54 ± 2.7
1000.0	102 ± 7.9
3333.0	197 ± 6.4
6666.0	34 ± 3.5
Trial Summary	Positive
Positive Control ²	1105 ± 18.2
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: 80.0 ug/Plate 9-Aminoacridine

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

** END OF REPORT **