

Experiment Number: 028472

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Aminophenol

CAS Number: 95-55-6

Date Report Requested: 09/14/2018

Time Report Requested: 13:50:17

NTP Study Number:

028472

Study Result:

Weakly Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	106 ± 4.7	91 ± 3.2	108 ± 7.9	100 ± 7.3	100 ± 4.9
10.0		104 ± 3.6			
33.3		92 ± 3.2			
100.0	107 ± 7.7	129 ± 3.2	123 ± 17.9	125 ± 11.7	124 ± 6.9
333.3	125 ± 0.9	103 ± 12.7	151 ± 10.7	158 ± 13.5	148 ± 6.7
666.7		0 ± 0.0 ^s			
1000.0	Toxic		204 ± 3.1	198 ± 22.5	221 ± 15.7
3333.3	Toxic		205 ± 3.3	199 ± 13.2	187 ± 1.8
6666.7				8 ± 8.0 ^s	
10000.0	Toxic		Toxic		Toxic
Trial Summary	Failed Experiment	Equivocal	Equivocal	Equivocal	Equivocal
Positive Control ²			1214 ± 55.4	317 ± 20.9	1423 ± 23.4
Positive Control ³	457 ± 14.6	500 ± 10.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	114 ± 6.7
10.0	
33.3	
100.0	128 ± 3.5
333.3	147 ± 10.1
666.7	
1000.0	204 ± 2.7
3333.3	176 ± 8.4
6666.7	0 ± 0.0 ^s
10000.0	
Trial Summary	Equivocal
Positive Control ²	1325 ± 39.9
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.6	12 ± 0.3	9 ± 0.3	11 ± 1.5
10.0		12 ± 2.4		
33.3		10 ± 0.9		
100.0	19 ± 3.5	7 ± 3.2	8 ± 3.7	8 ± 2.1
333.3	7 ± 2.7	2 ± 1.2	20 ± 2.5	12 ± 2.2
1000.0	Toxic	0 ± 0.0 ^s	16 ± 1.9	13 ± 2.6
3333.3	Toxic		17 ± 4.9	14 ± 1.2
10000.0	Toxic		Toxic	Toxic
Trial Summary	Failed Experiment	Negative	Negative	Negative
Positive Control ³	385 ± 21.5	388 ± 8.0		
Positive Control ⁴			479 ± 17.8	513 ± 5.8

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.2	11 ± 1.8	24 ± 3.4	29 ± 8.0
10.0		6 ± 1.2		
33.3		5 ± 1.2		
100.0	7 ± 1.0	6 ± 1.5	30 ± 3.8	21 ± 2.6
333.3	9 ± 1.9	3 ± 0.3	31 ± 1.7	27 ± 1.5
1000.0	3 ± 2.0	0 ± 0.0 ^s	27 ± 1.2	24 ± 2.3
3333.3	Toxic		14 ± 0.9	8 ± 2.3
10000.0	Toxic		Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			409 ± 15.6	363 ± 32.1
Positive Control ⁵	251 ± 29.2	383 ± 25.0		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	26 ± 3.6	15 ± 1.9	58 ± 4.2	55 ± 7.1
10.0		18 ± 2.1		
33.3		19 ± 2.9		
100.0	37 ± 3.5	18 ± 1.2	70 ± 8.0	58 ± 5.2
333.3	26 ± 2.6	14 ± 3.2	64 ± 4.9	58 ± 11.5
1000.0	20 ± 2.9	1 ± 0.6 ^s	62 ± 8.5	57 ± 5.5
3333.3	Toxic		54 ± 1.5	42 ± 3.6
10000.0	Toxic		Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²			440 ± 27.3	1513 ± 57.8
Positive Control ⁶	681 ± 18.0	651 ± 14.8		

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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 ****