

Experiment Number: 623472

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Aminophenol

CAS Number: 95-55-6

Date Report Requested: 09/10/2018

Time Report Requested: 16:29:47

NTP Study Number:

623472

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	104 ± 9.2	112 ± 4.9	145 ± 12.3	116 ± 3.0	133 ± 10.1
10.0		123 ± 3.2			152 ± 7.5
33.0	113 ± 0.3	140 ± 9.5		107 ± 0.7	151 ± 14.7
100.0	103 ± 4.6	209 ± 13.5	243 ± 14.1	143 ± 2.4	223 ± 17.8
166.0			269 ± 28.5		
333.0	145 ± 0.3	273 ± 10.2	312 ± 20.7	178 ± 7.8	348 ± 10.5
666.0			312 ± 10.4		
1000.0	145 ± 5.5	8 ± 3.0	Toxic	220 ± 6.4	362 ± 9.8
3333.0	0 ± 0.0			65 ± 10.4	
Trial Summary	Equivocal	Positive	Positive	Positive	Positive
Positive Control ²				386 ± 46.8	610 ± 208.9
Positive Control ³	464 ± 12.2	848 ± 85.5	929 ± 29.8		

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Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	174 ± 21.4	126 ± 9.3	149 ± 11.4	168 ± 10.6
10.0			160 ± 10.5	
33.0		150 ± 0.9	185 ± 13.1	
100.0	288 ± 22.9	165 ± 2.1	266 ± 20.8	298 ± 27.2
166.0	328 ± 25.0			342 ± 21.3
333.0	403 ± 27.8	209 ± 4.4	412 ± 10.4	454 ± 6.4
666.0	409 ± 28.4			450 ± 8.3
1000.0	397 ± 39.6	262 ± 17.0	406 ± 22.0	472 ± 7.2
3333.0		144 ± 3.2		
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ²	1555 ± 71.1	495 ± 76.0	831 ± 219.0	1540 ± 22.5
Positive Control ³				

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.0	9 ± 1.5	6 ± 2.1	10 ± 2.2	6 ± 2.1
10.0		12 ± 1.8		8 ± 1.9	
33.0	8 ± 0.3	10 ± 2.3	10 ± 1.9	10 ± 3.4	7 ± 1.2
100.0	5 ± 1.2	8 ± 0.9	5 ± 1.8	11 ± 1.2	4 ± 0.6
333.0	6 ± 0.3	8 ± 1.5	6 ± 1.8	9 ± 1.9	15 ± 3.3
1000.0	3 ± 0.3	5 ± 0.6	7 ± 1.0	9 ± 2.1	16 ± 3.1
3333.0	0 ± 0.0		4 ± 0.3		11 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			94 ± 12.3	63 ± 2.9	107 ± 1.5
Positive Control ³	301 ± 44.3	924 ± 70.6			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 3.2
10.0	14 ± 2.2
33.0	14 ± 1.7
100.0	9 ± 1.5
333.0	16 ± 4.2
1000.0	18 ± 4.3
3333.0	
Trial Summary	Negative
Positive Control ²	50 ± 2.6
Positive Control ³	

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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	5 ± 1.5	6 ± 1.2	7 ± 1.0	7 ± 0.3	8 ± 1.8
10.0		5 ± 0.7		8 ± 1.8	
33.0	6 ± 0.7	7 ± 1.2	5 ± 0.3	7 ± 2.0	10 ± 0.7
100.0	2 ± 0.3	4 ± 1.5	6 ± 0.7	8 ± 1.2	6 ± 0.3
333.0	3 ± 0.3	5 ± 1.2	5 ± 1.5	9 ± 2.0	7 ± 2.5
1000.0	4 ± 0.7	4 ± 0.6	5 ± 1.2	6 ± 1.0	6 ± 0.9
3333.0	0 ± 0.0		3 ± 0.3		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			84 ± 20.9	60 ± 14.1	104 ± 3.7
Positive Control ⁴	118 ± 2.9	26 ± 1.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.5
10.0	6 ± 0.9
33.0	8 ± 1.0
100.0	7 ± 1.2
333.0	5 ± 1.5
1000.0	7 ± 1.5
3333.0	
Trial Summary	Negative
Positive Control ²	33 ± 2.3
Positive Control ⁴	

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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	10 ± 1.3	13 ± 2.1	15 ± 3.2	18 ± 2.1	16 ± 1.8
10.0		16 ± 1.2		21 ± 4.0	
33.0	11 ± 0.3	17 ± 3.7	22 ± 1.7	25 ± 1.8	15 ± 2.1
100.0	17 ± 0.6	21 ± 0.7	19 ± 1.5	24 ± 0.7	12 ± 0.6
333.0	14 ± 0.7	9 ± 4.5	24 ± 2.4	31 ± 4.4	12 ± 0.7
1000.0	1 ± 0.3	3 ± 1.5	22 ± 1.7	24 ± 2.2	20 ± 1.3
3333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			175 ± 55.2	411 ± 27.7	225 ± 40.2
Positive Control ⁵	392 ± 71.1	444 ± 3.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 0.7
10.0	18 ± 1.2
33.0	17 ± 1.9
100.0	18 ± 4.0
333.0	23 ± 4.9
1000.0	19 ± 6.2
3333.0	
Trial Summary	Negative
Positive Control ²	379 ± 82.2
Positive Control 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: Dimethyl Sulfoxide
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 3.3 ug/Plate Sodium Azide
- 4: 33.0 ug/Plate 9-Aminoacridine
- 5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **