

Experiment Number: 284925

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Benzyl-p-chlorophenol

CAS Number: 120-32-1

Date Report Requested: 09/11/2018

Time Report Requested: 15:25:57

NTP Study Number:

284925

Study Result:

Negative

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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	181 ± 13.2	143 ± 4.8	151 ± 10.7	133 ± 6.7	148 ± 11.2
0.3	197 ± 4.5	143 ± 6.1	141 ± 4.8		
1.0	190 ± 7.0	140 ± 5.9	146 ± 5.8	124 ± 4.1	129 ± 8.6
3.3	204 ± 2.3	143 ± 13.1	162 ± 3.8	142 ± 11.0	135 ± 8.5
10.0	199 ± 3.3	166 ± 7.7	174 ± 3.4	149 ± 4.4	139 ± 4.2
33.0	Toxic	138 ± 1.5 ^s	Toxic	141 ± 5.2	136 ± 3.0
100.0				148 ± 2.1 ^s	117 ± 5.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				700 ± 36.5	1029 ± 47.4
Positive Control ⁴	890 ± 26.9	1330 ± 22.3	1503 ± 24.3		

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	242 ± 5.9	128 ± 8.0	149 ± 10.7
0.3			
1.0	245 ± 4.1	118 ± 7.1	138 ± 11.2
3.3	241 ± 5.5	116 ± 6.7	138 ± 7.0
10.0	244 ± 4.6	135 ± 9.5	140 ± 4.6
33.0	207 ± 7.0	124 ± 11.3	145 ± 3.5
100.0	118 ± 19.6 ^s	122 ± 3.6 ^s	121 ± 15.0 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²	1116 ± 91.9	1017 ± 31.0	1247 ± 26.8
Positive Control ³			
Positive Control ⁴			

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	38 ± 1.2	30 ± 1.0	24 ± 2.0	9 ± 0.3	11 ± 2.0
0.3	35 ± 4.6	38 ± 1.7	28 ± 3.8		
1.0	43 ± 2.6	36 ± 8.5	25 ± 3.9	9 ± 1.5	9 ± 0.9
3.3	38 ± 1.5	33 ± 2.9	30 ± 2.5	8 ± 1.3	11 ± 0.9
10.0	36 ± 5.5	30 ± 2.9	33 ± 2.0	8 ± 0.9	11 ± 2.2
33.0	14 ± 4.3 ^s	34 ± 0.7 ^s	Toxic	6 ± 0.9	11 ± 2.1
100.0				9 ± 0.7 ^s	7 ± 1.8 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				73 ± 5.2	85 ± 1.8
Positive Control ⁴	694 ± 10.3	1030 ± 31.7	1207 ± 54.6		

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	48 ± 1.7	9 ± 1.0	10 ± 2.2
0.3			
1.0	49 ± 0.9	10 ± 2.1	11 ± 2.4
3.3	46 ± 0.6	10 ± 1.9	14 ± 1.5
10.0	46 ± 2.0	13 ± 0.6	12 ± 2.9
33.0	47 ± 3.1	10 ± 1.2	11 ± 2.0
100.0	8 ± 2.7 ^s	9 ± 2.1 ^s	7 ± 1.9 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²	128 ± 17.6	86 ± 2.3	95 ± 6.1
Positive Control ³			
Positive Control ⁴			

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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 ± 0.6	6 ± 1.2	6 ± 2.9	11 ± 2.9	6 ± 2.3
0.3	7 ± 1.5	5 ± 2.2			
1.0	4 ± 1.2	4 ± 0.6	6 ± 0.7	6 ± 1.8	8 ± 1.7
3.3	4 ± 0.9	8 ± 0.3	8 ± 0.7	7 ± 0.6	8 ± 1.8
10.0	4 ± 0.3	4 ± 1.0	8 ± 1.0	8 ± 1.0	5 ± 0.7
33.0	Toxic	Toxic	6 ± 2.2	6 ± 0.9	8 ± 2.0
100.0			3 ± 1.0 ^s	9 ± 0.3 ^s	3 ± 0.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					96 ± 0.7
Positive Control ³			65 ± 5.2	68 ± 4.5	
Positive Control ⁵	132 ± 29.2	340 ± 21.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.6
0.3	
1.0	8 ± 1.7
3.3	9 ± 0.6
10.0	2 ± 0.3
33.0	6 ± 1.5
100.0	7 ± 0.6 ^s
Trial Summary	Negative
Positive Control ²	111 ± 0.9
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	19 ± 3.3	17 ± 1.0	16 ± 0.3	23 ± 1.7	25 ± 5.2
0.3	19 ± 2.1	12 ± 1.5	15 ± 1.2		
1.0	13 ± 0.6	15 ± 2.0	17 ± 1.8	19 ± 2.0	30 ± 2.7
3.3	15 ± 3.0	20 ± 0.7	18 ± 1.8	24 ± 0.6	29 ± 4.2
10.0	13 ± 2.0	19 ± 1.5	16 ± 3.8	31 ± 3.5	26 ± 4.0
33.0	3 ± 0.0 ^s	12 ± 1.2 ^s	Toxic	30 ± 2.2	25 ± 2.9
100.0				14 ± 1.2 ^s	24 ± 4.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				723 ± 31.8	550 ± 25.4
Positive Control ⁶	1439 ± 47.5	1122 ± 47.7	1363 ± 38.7		

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Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 4.3	32 ± 2.0	29 ± 1.3	31 ± 5.1
0.3				
1.0	25 ± 3.5	24 ± 4.6	32 ± 3.8	30 ± 4.1
3.3	24 ± 0.6	22 ± 1.5	26 ± 3.6	24 ± 1.8
10.0	28 ± 1.9	20 ± 2.5	29 ± 2.6	30 ± 2.7
33.0	20 ± 5.0	24 ± 2.3	25 ± 1.5	33 ± 3.5
100.0	18 ± 0.3 ^s	12 ± 1.8 ^s	24 ± 2.8 ^s	19 ± 1.8 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²		1045 ± 46.0	842 ± 44.7	915 ± 27.3
Positive Control ³	724 ± 31.1			
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

s: Slight Toxicity

**** END OF REPORT ****