

Experiment Number: 102222

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: m-Chlorophenol

CAS Number: 108-43-0

Date Report Requested: 09/11/2018

Time Report Requested: 13:48:03

NTP Study Number:

102222

Study Result:

Negative

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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	112 ± 5.9	98 ± 6.4	124 ± 4.3	98 ± 0.9	112 ± 12.9
10.0	96 ± 3.5	100 ± 10.3	99 ± 1.5	107 ± 8.8	107 ± 4.4
33.3	103 ± 3.6	95 ± 2.3	114 ± 7.3	105 ± 1.9	113 ± 1.8
100.0	99 ± 3.5	101 ± 8.7	117 ± 3.5	109 ± 7.3	120 ± 10.8
333.3	96 ± 6.2	96 ± 6.0	123 ± 11.6	96 ± 7.7	137 ± 5.5
1000.0	Toxic	Toxic	47 ± 8.4 ^s	20 ± 14.1 ^s	108 ± 4.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	190 ± 7.4	465 ± 16.3			
Positive Control ³			904 ± 24.8	451 ± 31.9	1646 ± 98.9

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	82 ± 3.0
10.0	96 ± 2.6
33.3	100 ± 8.0
100.0	98 ± 7.1
333.3	95 ± 4.8
1000.0	88 ± 3.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1255 ± 9.0

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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	26 ± 4.2	15 ± 1.8	12 ± 0.9	8 ± 1.2	13 ± 0.3
10.0	17 ± 4.8	19 ± 1.2	9 ± 3.0	10 ± 0.6	10 ± 0.9
33.3	23 ± 2.0	21 ± 3.2	9 ± 1.7	9 ± 1.0	15 ± 2.1
100.0	20 ± 0.9	19 ± 1.2	9 ± 1.9	7 ± 0.7	13 ± 1.3
333.3	20 ± 4.9	25 ± 0.7	14 ± 1.7	7 ± 1.5	14 ± 2.0
1000.0	Toxic	Toxic	5 ± 2.0 ^s	9 ± 2.6 ^s	11 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	191 ± 9.0	408 ± 12.4			
Positive Control ⁴			490 ± 12.3	160 ± 7.9	538 ± 8.4

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 2.7
10.0	10 ± 1.9
33.3	12 ± 1.2
100.0	12 ± 2.6
333.3	13 ± 3.8
1000.0	11 ± 3.9
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	194 ± 10.8

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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 ± 1.0	6 ± 1.7	16 ± 2.0	10 ± 3.6	17 ± 0.7
10.0	6 ± 0.6	8 ± 0.3	10 ± 3.8	7 ± 2.0	23 ± 4.7
33.3	8 ± 0.3	7 ± 1.8	13 ± 0.9	8 ± 0.3	18 ± 2.5
100.0	8 ± 2.6	10 ± 0.7	12 ± 0.3	9 ± 1.9	19 ± 0.9
333.3	7 ± 1.0	5 ± 1.2	14 ± 1.0	7 ± 0.9	19 ± 0.9
1000.0	Toxic	Toxic	7 ± 0.6 ^s	4 ± 1.0 ^s	14 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			532 ± 21.7	26 ± 4.3	554 ± 29.2
Positive Control ⁵	248 ± 75.8	97 ± 9.1			

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Date Report Requested: 09/11/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 3.2
10.0	10 ± 1.0
33.3	11 ± 1.5
100.0	19 ± 3.3
333.3	11 ± 1.3
1000.0	14 ± 0.6
Trial Summary	Negative
Positive Control ⁴	38 ± 0.9
Positive Control ⁵	

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Test Compound: m-Chlorophenol

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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	23 ± 2.2	18 ± 1.7	24 ± 3.2	34 ± 2.8	38 ± 3.8
10.0	31 ± 2.6	20 ± 1.0	29 ± 4.9	25 ± 3.2	32 ± 3.5
33.3	25 ± 3.2	20 ± 3.0	22 ± 2.9	31 ± 3.3	28 ± 2.0
100.0	30 ± 1.5	16 ± 1.7	33 ± 6.6	28 ± 0.3	30 ± 5.2
333.3	30 ± 2.8	25 ± 2.3	27 ± 1.9	26 ± 1.2	31 ± 7.0
1000.0	Toxic	Toxic	20 ± 3.8 ^s	10 ± 4.4 ^s	30 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			666 ± 158.7	268 ± 24.9	1361 ± 21.7
Positive Control ⁶	883 ± 13.5	561 ± 11.4			

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CAS Number: 108-43-0

Date Report Requested: 09/11/2018
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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	32 ± 2.8
10.0	23 ± 4.3
33.3	31 ± 3.8
100.0	35 ± 5.0
333.3	25 ± 2.6
1000.0	23 ± 4.2
Trial Summary	Negative
Positive Control ³	855 ± 24.7
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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

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 ****