

Experiment Number: 861340

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **o-Chlorophenol**

CAS Number: **95-57-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **13:54:05**

**NTP Study Number:**

861340

**Study Result:**

Negative

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Date Report Requested: 09/16/2018

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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 <sup>1</sup>	99 ± 5.2	89 ± 5.5	113 ± 2.0	73 ± 5.2	115 ± 8.7
3.3					
10.0	109 ± 6.9	107 ± 8.8	99 ± 13.9	76 ± 4.7	107 ± 8.4
33.3	91 ± 7.8	99 ± 1.5	99 ± 0.9	78 ± 6.9	123 ± 15.4
100.0	93 ± 11.1	97 ± 3.8	101 ± 7.6	79 ± 6.4	117 ± 7.5
333.3	81 ± 4.2 <sup>s</sup>	102 ± 13.7	98 ± 10.5	76 ± 2.7	116 ± 4.1
1000.0	Toxic	94 ± 4.8 <sup>s</sup>	87 ± 6.7	49 ± 9.7 <sup>s</sup>	58 ± 23.5 <sup>s</sup>
3333.3					
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			460 ± 15.3	877 ± 45.1	963 ± 104.3
Positive Control <sup>3</sup>	625 ± 28.8	494 ± 8.4			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	98 ± 10.5
3.3	
10.0	89 ± 5.5
33.3	94 ± 5.2
100.0	98 ± 2.9
333.3	115 ± 8.9
1000.0	106 ± 8.4
3333.3	
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	1215 ± 16.4
Positive Control <sup>3</sup>	

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## G06: Ames Summary Data

Test Compound: o-Chlorophenol

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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 <sup>1</sup>	20 ± 1.0	19 ± 3.2	13 ± 3.0	4 ± 1.0	13 ± 0.6
10.0	12 ± 1.8	25 ± 3.0	11 ± 2.8	10 ± 3.3	8 ± 1.7
33.3	15 ± 2.0	16 ± 0.3	10 ± 1.7	10 ± 1.5	10 ± 2.2
100.0	16 ± 2.2	22 ± 2.3	11 ± 2.4	9 ± 1.5	16 ± 1.2
333.3	20 ± 3.2	27 ± 6.8	15 ± 1.5	8 ± 0.9	17 ± 4.6
1000.0	Toxic	28 ± 4.9	14 ± 1.5	10 ± 0.9 <sup>s</sup>	3 ± 1.8 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	444 ± 23.0	484 ± 9.2			
Positive Control <sup>4</sup>			305 ± 3.2	191 ± 28.3	268 ± 34.8

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 1.8
10.0	11 ± 2.6
33.3	11 ± 1.9
100.0	12 ± 2.0
333.3	13 ± 2.1
1000.0	23 ± 3.6
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	458 ± 3.3

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Test Compound: o-Chlorophenol

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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 <sup>1</sup>	8 ± 1.0	13 ± 2.1	14 ± 1.9	5 ± 0.3	12 ± 2.7
10.0	8 ± 3.6	20 ± 0.3	13 ± 2.6	12 ± 2.1	18 ± 1.3
33.3	7 ± 0.7	18 ± 1.8	12 ± 2.3	10 ± 2.4	17 ± 0.6
100.0	6 ± 0.9	21 ± 3.0	14 ± 2.7	9 ± 2.5	14 ± 2.7
333.3	5 ± 1.0	21 ± 1.8	15 ± 3.8	12 ± 4.7	14 ± 2.9
1000.0	Toxic	8 ± 3.2 <sup>s</sup>	5 ± 0.7 <sup>s</sup>	6 ± 0.6	0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			158 ± 10.6	244 ± 10.5	244 ± 5.8
Positive Control <sup>5</sup>	710 ± 64.7	697 ± 292.4			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	33 ± 1.8
10.0	36 ± 2.1
33.3	30 ± 2.8
100.0	28 ± 2.1
333.3	29 ± 4.6
1000.0	18 ± 1.5
Trial Summary	Negative
Positive Control <sup>4</sup>	245 ± 7.5
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: o-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 <sup>1</sup>	27 ± 3.1	23 ± 3.4	35 ± 2.3	24 ± 4.4	37 ± 4.7
10.0	26 ± 2.7	28 ± 5.9	33 ± 2.2	37 ± 6.2	40 ± 1.7
33.3	24 ± 2.9	23 ± 2.8	36 ± 2.1	33 ± 1.3	40 ± 0.3
100.0	23 ± 2.9	27 ± 2.0	34 ± 8.2	30 ± 1.0	40 ± 1.0
333.3	21 ± 1.8	20 ± 2.3	36 ± 0.3	23 ± 4.0	39 ± 2.2
1000.0	6 ± 5.4 <sup>s</sup>	21 ± 3.5	35 ± 3.7	15 ± 3.0 <sup>s</sup>	3 ± 3.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			288 ± 3.0	956 ± 33.1	1258 ± 130.5
Positive Control <sup>6</sup>	636 ± 3.4	615 ± 9.0			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	41 ± 4.5
10.0	29 ± 1.3
33.3	31 ± 1.0
100.0	38 ± 0.3
333.3	36 ± 4.4
1000.0	28 ± 2.2
Trial Summary	Negative
Positive Control <sup>2</sup>	1397 ± 41.3
Positive Control <sup>6</sup>	

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### **LEGEND**

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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 \*\***