

Experiment Number: **159799**

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

G06: Ames Summary Data

Test Compound: **Chlorobenzene**

CAS Number: **108-90-7**

Date Report Requested: **09/12/2018**

Time Report Requested: **21:15:34**

NTP Study Number:

159799

Study Result:

Negative

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Date Report Requested: 09/12/2018

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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 ¹	111 ± 4.4	92 ± 12.6	104 ± 5.3	123 ± 4.9	113 ± 5.9
33.3	117 ± 5.6	102 ± 7.5	112 ± 6.9	86 ± 7.5	105 ± 5.8
100.0	103 ± 6.0	89 ± 6.7	107 ± 8.7	88 ± 5.8	91 ± 10.1
333.3	95 ± 8.0	81 ± 8.6	94 ± 3.2	78 ± 6.6	96 ± 2.3
666.7		93 ± 9.4			
1000.0	93 ± 5.7 ^s	76 ± 12.5 ^s	80 ± 9.8 ^s	74 ± 12.1 ^s	93 ± 5.0
3333.3	Toxic		35 ± 2.0 ^s	9 ± 9.3 ^s	65 ± 16.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			867 ± 37.5	549 ± 71.3	1980 ± 10.9
Positive Control ³	400 ± 5.8	416 ± 11.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	98 ± 6.7
33.3	103 ± 8.4
100.0	92 ± 3.5
333.3	103 ± 5.2
666.7	
1000.0	95 ± 4.5
3333.3	77 ± 1.2 ^s
Trial Summary	Negative
Positive Control ²	2115 ± 14.6
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	18 ± 1.5	20 ± 4.4	12 ± 2.3	8 ± 1.7	12 ± 2.2
33.3	28 ± 1.5	18 ± 1.3	9 ± 1.8	9 ± 3.4	14 ± 1.7
100.0	24 ± 4.3	17 ± 2.6	8 ± 2.7	12 ± 1.8	12 ± 3.8
333.3	14 ± 2.9	17 ± 1.3	8 ± 0.3	11 ± 0.9	14 ± 1.2
666.7		18 ± 4.7			
1000.0	22 ± 3.2 ^S	19 ± 4.1 ^S	10 ± 1.2	14 ± 1.9 ^S	14 ± 3.0
3333.3	Toxic		0 ± 0.0 ^S	0 ± 0.0 ^S	7 ± 2.0 ^S
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	324 ± 3.3	346 ± 14.4			
Positive Control ⁴			269 ± 2.3	167 ± 4.9	243 ± 23.8

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.7
33.3	11 ± 2.3
100.0	9 ± 2.1
333.3	10 ± 1.7
666.7	
1000.0	10 ± 1.8
3333.3	8 ± 3.0 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	266 ± 9.5

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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	14 ± 0.9	5 ± 1.7	25 ± 2.3	6 ± 1.2	24 ± 1.5
33.3	18 ± 4.1	5 ± 1.2	16 ± 2.0	6 ± 1.2	18 ± 3.0
100.0	17 ± 2.2	6 ± 2.1	11 ± 2.3	5 ± 0.9	20 ± 1.9
333.3	8 ± 0.9	5 ± 0.7	12 ± 0.0	5 ± 1.2	22 ± 2.5
666.7		4 ± 1.2			
1000.0	5 ± 0.3 ^s	Toxic	12 ± 1.7	3 ± 0.3 ^s	18 ± 0.9
3333.3	Toxic		6 ± 1.5 ^s	Toxic	10 ± 4.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			448 ± 11.9	239 ± 24.6	429 ± 17.2
Positive Control ⁵	189 ± 16.5	847 ± 54.3			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.3
33.3	9 ± 2.1
100.0	6 ± 1.2
333.3	5 ± 1.9
666.7	
1000.0	5 ± 0.6
3333.3	1 ± 0.7 ^s
Trial Summary	Negative
Positive Control ⁴	411 ± 10.3
Positive Control ⁵	

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Test Compound: Chlorobenzene

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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	24 ± 2.6	34 ± 4.5	37 ± 6.7	43 ± 1.0	45 ± 4.0
33.3	21 ± 1.5	21 ± 2.6	30 ± 0.9	28 ± 1.7	36 ± 1.9
100.0	23 ± 1.8	27 ± 3.5	36 ± 4.1	31 ± 2.0	30 ± 5.5
333.3	16 ± 2.7	22 ± 3.4	23 ± 3.5	24 ± 2.6	30 ± 2.2
666.7		24 ± 1.7			
1000.0	14 ± 2.3 ^s	20 ± 3.9 ^s	26 ± 5.5	10 ± 4.7 ^s	25 ± 2.6
3333.3	Toxic		3 ± 1.8 ^s	Toxic	21 ± 2.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			427 ± 4.3	365 ± 22.9	1321 ± 18.8
Positive Control ⁶	718 ± 58.2	671 ± 57.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	33 ± 2.3
33.3	35 ± 3.6
100.0	33 ± 3.2
333.3	31 ± 2.9
666.7	
1000.0	27 ± 1.8
3333.3	Toxic
Trial Summary	Negative
Positive Control ²	1271 ± 7.8
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 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 ****