

Experiment Number: 663576

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlordecone

CAS Number: 143-50-0

Date Report Requested: 09/11/2018

Time Report Requested: 11:51:15

NTP Study Number:

663576

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	167 ± 15.7	129 ± 3.2	126 ± 9.5	124 ± 10.1	135 ± 9.0
0.03	143 ± 2.7	119 ± 5.6			
0.1	146 ± 6.7	128 ± 4.8			
0.3	140 ± 2.2	137 ± 5.5			
1.0	162 ± 9.0	121 ± 7.4	142 ± 11.2	115 ± 5.8	133 ± 7.0
3.3	128 ± 5.0 ^s	117 ± 7.0 ^s	112 ± 7.8	121 ± 8.7	132 ± 6.1
10.0			117 ± 17.0	106 ± 8.5	132 ± 6.7
33.0			116 ± 5.8	91 ± 8.7	125 ± 9.7
100.0			72 ± 2.4 ^s	63 ± 2.4 ^s	107 ± 6.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1087 ± 18.2
Positive Control ³			1087 ± 16.7	1082 ± 48.6	
Positive Control ⁴	1186 ± 30.0	1404 ± 68.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	140 ± 9.0
0.03	
0.1	
0.3	
1.0	135 ± 6.9
3.3	141 ± 5.0
10.0	132 ± 6.3
33.0	124 ± 12.7
100.0	88 ± 4.7 ^s
Trial Summary	Negative
Positive Control ²	1204 ± 28.9
Positive Control ³	
Positive Control ⁴	

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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	34 ± 5.5	20 ± 0.3	11 ± 0.7	15 ± 1.2	11 ± 0.3
0.03	31 ± 7.9	23 ± 4.4			
0.1	28 ± 2.6	20 ± 2.0			
0.3	31 ± 1.8	27 ± 4.5			
1.0	26 ± 2.0	26 ± 2.4	14 ± 1.5	16 ± 0.9	12 ± 1.5
3.3	26 ± 1.5 ^s	18 ± 2.0 ^s	10 ± 0.3	14 ± 1.0	14 ± 0.9
10.0			12 ± 2.0	11 ± 1.7	14 ± 4.5
33.0			13 ± 3.2	12 ± 1.2	11 ± 1.8
100.0			7 ± 0.9 ^s	6 ± 0.7 ^s	7 ± 1.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					73 ± 2.4
Positive Control ³			72 ± 5.2	81 ± 8.2	
Positive Control ⁴	864 ± 25.9	901 ± 20.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.3
0.03	
0.1	
0.3	
1.0	9 ± 0.9
3.3	15 ± 2.2
10.0	12 ± 1.3
33.0	16 ± 1.5
100.0	6 ± 1.2 ^s
Trial Summary	Negative
Positive Control ²	86 ± 11.9
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	6 ± 0.3	7 ± 1.5	9 ± 2.0	5 ± 0.3	8 ± 1.0
0.03	7 ± 1.3	9 ± 3.4			
0.1	6 ± 0.7	6 ± 0.9			
0.3	6 ± 1.5	6 ± 2.4			
1.0	7 ± 0.0	4 ± 1.0	10 ± 1.8	6 ± 0.9	8 ± 2.2
3.3	7 ± 2.2 ^s	4 ± 2.0	8 ± 1.9	9 ± 2.3	8 ± 0.6
10.0			9 ± 0.7	7 ± 1.8	7 ± 3.0
33.0			6 ± 0.6	7 ± 2.7	7 ± 1.5
100.0			3 ± 0.6 ^s	5 ± 1.5 ^s	5 ± 2.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					78 ± 8.4
Positive Control ³			85 ± 2.5	106 ± 5.8	
Positive Control ⁵	317 ± 29.5	304 ± 53.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.7
0.03	
0.1	
0.3	
1.0	10 ± 0.9
3.3	4 ± 0.9
10.0	8 ± 1.2
33.0	8 ± 1.3
100.0	4 ± 1.3 ^s
Trial Summary	Negative
Positive Control ²	132 ± 8.1
Positive Control ³	
Positive Control ⁵	

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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	18 ± 0.3	17 ± 3.5	25 ± 3.7	25 ± 4.5	27 ± 3.8
0.03	17 ± 1.3	19 ± 0.0			
0.1	13 ± 3.5	18 ± 2.3			
0.3	19 ± 1.9	21 ± 0.0			
1.0	16 ± 1.2	17 ± 1.2	22 ± 3.7	20 ± 3.8	27 ± 1.2
3.3	19 ± 4.0	18 ± 0.9	25 ± 3.5	19 ± 2.0	34 ± 2.2
10.0			23 ± 1.5	23 ± 2.0	39 ± 2.6
33.0			32 ± 0.7	22 ± 2.9	31 ± 3.0
100.0			25 ± 1.0 ^s	20 ± 2.8	27 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1149 ± 16.5
Positive Control ³			1064 ± 16.9	789 ± 43.4	
Positive Control ⁶	1501 ± 5.5	1316 ± 18.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	30 ± 0.9
0.03	
0.1	
0.3	
1.0	28 ± 3.0
3.3	29 ± 3.6
10.0	29 ± 4.9
33.0	26 ± 2.3
100.0	26 ± 1.8
Trial Summary	Negative
Positive Control ²	1093 ± 49.9
Positive Control ³	
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 **