

Experiment Number: 238381

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

G06: Ames Summary Data

Test Compound: **Chlordecone alcohol**

CAS Number: **1034-41-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **04:42:51**

NTP Study Number:

238381

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	150 ± 12.3	172 ± 9.7	129 ± 2.7	196 ± 5.8	180 ± 7.0
0.03	144 ± 4.7				
0.033		169 ± 3.3			
0.1	147 ± 4.9	154 ± 2.8			
0.3	150 ± 8.6				
0.33		164 ± 5.7			
1.0	134 ± 2.7	166 ± 2.8			
3.3	Toxic	164 ± 5.6			
100.0			119 ± 5.5	195 ± 6.4	159 ± 8.3
333.0			87 ± 4.9	190 ± 6.6	106 ± 2.0
1000.0			106 ± 4.1	195 ± 6.7	110 ± 3.2
3333.0			109 ± 8.0 ^P	182 ± 10.1 ^P	84 ± 4.6 ^P
10000.0			50 ± 9.0 ^P	153 ± 20.2 ^P	58 ± 1.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1747 ± 99.3	2757 ± 80.6	1326 ± 38.7
Positive Control ³	1493 ± 27.3	1714 ± 34.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	172 ± 7.7
0.03	
0.033	
0.1	
0.3	
0.33	
1.0	
3.3	
100.0	182 ± 7.3
333.0	157 ± 19.6
1000.0	159 ± 17.4
3333.0	191 ± 16.6 ^P
10000.0	174 ± 6.4 ^P
Trial Summary	Negative
Positive Control ²	2565 ± 58.3
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	3 ± 0.9	16 ± 3.8	8 ± 1.2	16 ± 1.5	9 ± 0.7
0.01		14 ± 0.3			
0.03	5 ± 2.0				
0.033		11 ± 2.4			
0.1	2 ± 0.3	13 ± 0.9			
0.3	5 ± 1.9				
0.33		14 ± 0.9			
1.0	3 ± 0.3	15 ± 0.3			
3.3	Toxic				
100.0			6 ± 0.7	21 ± 2.0	7 ± 2.0
333.0			4 ± 1.9	13 ± 2.0	8 ± 2.6
1000.0			2 ± 0.3	11 ± 2.7	6 ± 0.0
3333.0			3 ± 0.6 ^p	11 ± 1.3 ^p	3 ± 0.6 ^p
10000.0			3 ± 0.0 ^p	14 ± 4.6 ^p	4 ± 0.6 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			365 ± 11.7	401 ± 18.8	377 ± 19.4
Positive Control ³	1323 ± 37.6	1519 ± 80.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.2
0.01	
0.03	
0.033	
0.1	
0.3	
0.33	
1.0	
3.3	
100.0	10 ± 0.6
333.0	6 ± 1.2
1000.0	9 ± 1.8
3333.0	12 ± 2.5 ^p
10000.0	9 ± 1.5 ^p
Trial Summary	Negative
Positive Control ⁴	454 ± 49.5
Positive Control ³	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	6 ± 1.9	5 ± 0.6	8 ± 1.5	9 ± 1.8	19 ± 0.9
0.003		7 ± 0.6	9 ± 0.9		
0.01		8 ± 1.0	2 ± 0.6		
0.03	5 ± 0.6				
0.033		9 ± 1.3	2 ± 1.2		
0.1	6 ± 0.9	6 ± 1.9	3 ± 1.2		
0.3	5 ± 0.7				
0.33		6 ± 0.9	3 ± 1.2		
1.0	Toxic				
3.0					
3.3	0 ± 0.0				18 ± 0.7
10.0					17 ± 1.2
33.0					13 ± 2.3
100.0				6 ± 0.3	15 ± 0.9
333.0				Toxic	10 ± 1.3
1000.0				Toxic	
3333.0				0 ± 0.3 ^p	
10000.0				0 ± 0.0 ^p	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴				252 ± 35.0	351 ± 49.3
Positive Control ⁵	249 ± 42.2	751 ± 79.2	595 ± 59.9		

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Strain: TA1537

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.8	10 ± 1.7	13 ± 0.3	10 ± 0.7
0.003				
0.01				
0.03				
0.033				
0.1				
0.3				
0.33				
1.0				7 ± 0.3
3.0	6 ± 1.9			7 ± 0.6
3.3			22 ± 2.9	
10.0	6 ± 0.6		22 ± 2.4	6 ± 1.5
33.0	6 ± 1.5		17 ± 3.1	6 ± 2.0
100.0	4 ± 0.7	13 ± 2.0	15 ± 0.3	3 ± 0.6
333.0	2 ± 0.3	Toxic	11 ± 1.9	6 ± 1.5
1000.0		Toxic		
3333.0		Toxic		
10000.0		1 ± 1.0 ^p		
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴	293 ± 26.2	229 ± 22.2	136 ± 11.7	158 ± 19.2
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	17 ± 1.5	30 ± 2.7	35 ± 3.8	43 ± 2.1	36 ± 3.4
0.03	16 ± 2.8	28 ± 6.4			
0.1	20 ± 2.7	20 ± 3.0			
0.3	19 ± 2.2				
0.33		18 ± 2.6			
1.0	20 ± 4.0	26 ± 0.3			
3.3	Toxic	25 ± 2.5			
100.0			33 ± 2.6	38 ± 4.1	31 ± 1.5
333.0			31 ± 4.1	36 ± 4.3	35 ± 1.9
1000.0			19 ± 4.2 ^P	28 ± 3.7	35 ± 1.5
3333.0			15 ± 2.2 ^P	14 ± 4.5 ^P	45 ± 3.3 ^P
10000.0			27 ± 3.3 ^P	24 ± 4.1 ^P	42 ± 2.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1025 ± 26.2	1838 ± 69.4	1232 ± 16.2
Positive Control ⁶	151 ± 2.5	291 ± 34.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	46 ± 0.3
0.03	
0.1	
0.3	
0.33	
1.0	
3.3	
100.0	35 ± 5.7
333.0	34 ± 3.1
1000.0	35 ± 3.8
3333.0	20 ± 2.6 ^P
10000.0	21 ± 4.5 ^P
Trial Summary	Negative
Positive Control ²	2709 ± 74.0
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: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****