

Experiment Number: 323726

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

G06: Ames Summary Data

Test Compound: **Chlorothalonil**

CAS Number: **1897-45-6**

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

Time Report Requested: **10:26:08**

NTP Study Number:

323726

Study Result:

Negative

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Test Compound: Chlorothalonil

CAS Number: 1897-45-6

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	142 ± 2.3	143 ± 6.6	129 ± 6.4	126 ± 2.1	126 ± 5.0
0.003	131 ± 8.7	134 ± 5.0			
0.01	114 ± 5.6	158 ± 6.4			
0.03	126 ± 4.4	123 ± 13.3			
0.1	153 ± 1.7	135 ± 14.5			
0.25		137 ± 4.9 ^s			
0.3	128 ± 7.0 ^s		141 ± 2.7	123 ± 12.1	129 ± 6.9
1.0			122 ± 3.8	133 ± 7.4	127 ± 4.7
3.3			133 ± 7.5	134 ± 16.7	120 ± 0.9
10.0			128 ± 10.8	120 ± 1.8	149 ± 3.7
33.0			101 ± 11.5 ^s	75 ± 7.3 ^s	37 ± 4.7 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2094 ± 18.1
Positive Control ³			1466 ± 36.4	991 ± 41.3	
Positive Control ⁴	2201 ± 71.0	2532 ± 178.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	123 ± 3.2
0.003	
0.01	
0.03	
0.1	
0.25	
0.3	119 ± 1.9
1.0	110 ± 4.2
3.3	116 ± 4.8
10.0	112 ± 8.4
33.0	Toxic
Trial Summary	Negative
Positive Control ²	2211 ± 50.3
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	27 ± 1.9	41 ± 5.7	9 ± 0.3	14 ± 2.0	10 ± 0.6
0.003	23 ± 3.5	40 ± 5.9			
0.01	27 ± 3.5	43 ± 2.7			
0.03	24 ± 3.0	45 ± 3.8			
0.1	24 ± 5.2	43 ± 2.5			
0.25		41 ± 3.8 ^s			
0.3	14 ± 0.7 ^s		9 ± 2.0	13 ± 1.5	9 ± 1.2
1.0			7 ± 1.9	12 ± 2.0	10 ± 1.7
3.3			15 ± 0.3	19 ± 2.0	14 ± 2.0
10.0			10 ± 1.2	15 ± 1.5	10 ± 2.0
33.0			12 ± 1.5 ^s	10 ± 1.5 ^s	6 ± 1.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					138 ± 9.2
Positive Control ³			114 ± 7.5	49 ± 2.4	
Positive Control ⁴	1473 ± 88.2	1979 ± 41.8			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 2.2
0.003	
0.01	
0.03	
0.1	
0.25	
0.3	14 ± 0.9
1.0	16 ± 5.2
3.3	10 ± 0.3
10.0	18 ± 2.4
33.0	5 ± 0.6 ^s
Trial Summary	Negative
Positive Control ²	142 ± 18.1
Positive Control ³	
Positive Control ⁴	

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Test Compound: Chlorothalonil

CAS Number: 1897-45-6

Date Report Requested: 09/12/2018

Time Report Requested: 10:26:08

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	8 ± 1.7	333 ± 19.2	7 ± 2.1	8 ± 0.9	342 ± 29.4
0.003	11 ± 1.5	378 ± 19.1	5 ± 0.3		
0.01	7 ± 1.2	349 ± 16.2	8 ± 1.3		
0.03	8 ± 1.2	325 ± 39.8	9 ± 0.3		
0.1	6 ± 0.3 ^s	299 ± 2.3	6 ± 1.2		
0.25		32 ± 5.8 ^s	5 ± 2.0 ^s		
0.3	5 ± 0.9 ^s			5 ± 0.3	375 ± 20.1
1.0				6 ± 1.2	365 ± 20.6
3.3				6 ± 0.9	359 ± 14.4
10.0				11 ± 1.0	359 ± 17.0
33.0				7 ± 1.2 ^s	319 ± 7.1 ^s
Trial Summary	Negative	Failed Experiment	Negative	Negative	Failed Experiment
Positive Control ²					
Positive Control ³				157 ± 11.4	399 ± 15.1
Positive Control ⁵	368 ± 48.5	734 ± 39.0	364 ± 84.8		

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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	7 ± 0.3	13 ± 3.2	355 ± 22.7	7 ± 1.2
0.003				
0.01				
0.03				
0.1				
0.25				
0.3	6 ± 0.9	10 ± 2.0	335 ± 15.2	6 ± 1.2
1.0	9 ± 1.7	11 ± 1.2	366 ± 6.1	10 ± 1.5
3.3	9 ± 0.7	8 ± 1.5	446 ± 29.5	6 ± 2.2
10.0	8 ± 1.5	8 ± 2.3	357 ± 26.3	7 ± 2.1
33.0	8 ± 0.9	7 ± 0.9 ^s	156 ± 24.1 ^s	3 ± 0.3 ^s
Trial Summary	Negative	Negative	Failed Experiment	Negative
Positive Control ²		203 ± 22.1	548 ± 25.0	235 ± 18.5
Positive Control ³	112 ± 5.8			
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	15 ± 0.6	17 ± 4.1	27 ± 3.0	28 ± 2.8	31 ± 2.8
0.003	19 ± 0.9	17 ± 3.2			
0.01	18 ± 2.8	19 ± 2.5			
0.03	18 ± 1.7	17 ± 2.3			
0.1	15 ± 2.5	21 ± 1.5			
0.25		16 ± 2.3			
0.3	13 ± 0.6 ^s		34 ± 1.9	30 ± 2.3	35 ± 3.2
1.0			28 ± 2.4	32 ± 2.9	29 ± 4.2
3.3			30 ± 2.9	28 ± 2.3	30 ± 4.2
10.0			27 ± 6.1	27 ± 2.5	27 ± 2.8
33.0			23 ± 1.5	18 ± 2.3	27 ± 5.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2056 ± 21.6
Positive Control ³			1250 ± 37.7	683 ± 10.1	
Positive Control ⁶	1579 ± 37.2	1507 ± 34.2			

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Date Report Requested: 09/12/2018
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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	27 ± 2.2
0.003	
0.01	
0.03	
0.1	
0.25	
0.3	25 ± 2.7
1.0	29 ± 1.5
3.3	29 ± 1.3
10.0	34 ± 2.4
33.0	21 ± 2.3
Trial Summary	Negative
Positive Control ²	1348 ± 97.1
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: Acetone

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 ****