

Experiment Number: **946710**
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **Lindane**
CAS Number: **58-89-9**

Date Report Requested: **09/17/2018**
Time Report Requested: **16:46:47**

NTP Study Number: 946710
Study Result: Negative

Experiment Number: 946710

G06: Ames Summary Data

Date Report Requested: 09/17/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Lindane

Time Report Requested: 16:46:47

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 4.7	107 ± 12.3	129 ± 1.9	121 ± 9.5	117 ± 9.5
0.3		116 ± 4.4			
1.0	121 ± 3.6	111 ± 10.3			
3.0	109 ± 4.3	99 ± 4.0		109 ± 5.0	
10.0	106 ± 5.8	106 ± 4.0	113 ± 8.7	108 ± 2.2	101 ± 2.3
33.0	68 ± 8.3 ^s	24 ± 24.0 ^s	107 ± 2.0	105 ± 9.3	107 ± 4.4
100.0	14 ± 13.7 ^s		100 ± 1.5	102 ± 8.3	107 ± 5.4
333.0			25 ± 11.0 ^s	25 ± 11.3 ^s	28 ± 15.4 ^s
1000.0			0 ± 0.0 ^s		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1059 ± 48.3	697 ± 67.4	2409 ± 135.3
Positive Control ³	460 ± 15.8	464 ± 6.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	131 ± 8.7
0.3	
1.0	
3.0	128 ± 1.2
10.0	122 ± 8.4
33.0	132 ± 5.3
100.0	98 ± 7.1
333.0	20 ± 20.0 ^s
1000.0	
Trial Summary	Negative
Positive Control ²	2176 ± 25.0
Positive Control ³	

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CAS Number: 58-89-9

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 4.7	21 ± 3.7	28 ± 1.2	22 ± 1.2	27 ± 5.8
0.3		23 ± 1.2			
1.0	21 ± 2.0	21 ± 2.4			
3.0	22 ± 4.1	21 ± 3.8		16 ± 2.7	
10.0	18 ± 3.1	25 ± 3.2	23 ± 3.2	15 ± 1.5	24 ± 2.6
33.0	14 ± 3.5	18 ± 4.5	16 ± 3.1	19 ± 4.1	26 ± 4.6
100.0	0 ± 0.0 ^s		21 ± 3.8	19 ± 4.3	24 ± 2.1
333.0			8 ± 0.6 ^s	9 ± 0.3 ^p	8 ± 4.0 ^s
1000.0			0 ± 0.0 ^s		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	460 ± 15.8	547 ± 25.5			
Positive Control ⁴			338 ± 29.0	387 ± 22.4	566 ± 13.8

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	28 ± 3.7
0.3	
1.0	
3.0	33 ± 4.3
10.0	29 ± 4.9
33.0	29 ± 4.9
100.0	20 ± 2.9
333.0	0 ± 0.0 ^s
1000.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	10 ± 1.5

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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	4 ± 1.5	6 ± 1.2	7 ± 4.2	4 ± 1.5	6 ± 1.0
0.3		9 ± 2.1			
1.0	4 ± 0.9	7 ± 1.5			
3.0	6 ± 1.9	7 ± 0.7		6 ± 1.2	
10.0	5 ± 0.7	6 ± 1.2	6 ± 1.5	5 ± 0.9	7 ± 0.0
33.0	5 ± 1.5	2 ± 1.2 ^s	6 ± 1.0	5 ± 0.6	8 ± 3.1
100.0	0 ± 0.0 ^s		7 ± 1.2	5 ± 1.5	7 ± 2.6
333.0			3 ± 0.3 ^s	5 ± 0.3 ^s	2 ± 1.2 ^s
1000.0			1 ± 0.7 ^s		2 ± 2.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			218 ± 9.0	316 ± 46.2	379 ± 29.3
Positive Control ⁵	139 ± 17.9	283 ± 29.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.6
0.3	
1.0	
3.0	10 ± 0.6
10.0	7 ± 1.2
33.0	7 ± 1.7
100.0	7 ± 0.6
333.0	4 ± 1.0 ^s
1000.0	
Trial Summary	Negative
Positive Control ⁴	576 ± 34.3
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	35 ± 3.5	38 ± 0.9	51 ± 4.7	37 ± 3.1	36 ± 1.5
0.3		28 ± 3.9			
1.0	32 ± 3.2	30 ± 0.9			
3.0	39 ± 5.9	28 ± 4.6		30 ± 5.8	
10.0	31 ± 0.9	30 ± 6.2	36 ± 2.9	31 ± 4.3	40 ± 2.1
33.0	11 ± 4.4 ^s	7 ± 3.5 ^s	36 ± 2.4	32 ± 2.6	32 ± 2.4
100.0	0 ± 0.0 ^s		21 ± 3.2	29 ± 6.9	35 ± 1.2
333.0			0 ± 0.0 ^s	9 ± 4.5 ^s	10 ± 5.5 ^s
1000.0			0 ± 0.0 ^s		2 ± 2.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			927 ± 43.5	1443 ± 136.0	1972 ± 56.5
Positive Control ⁶	945 ± 30.9	900 ± 17.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	40 ± 8.0
0.3	
1.0	
3.0	39 ± 4.1
10.0	32 ± 4.4
33.0	38 ± 2.9
100.0	31 ± 3.5
333.0	18 ± 10.4 ^s
1000.0	
Trial Summary	Negative
Positive Control ²	1942 ± 58.3
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: 95% Ethanol

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

p: Precipitate

s: Slight Toxicity

** END OF REPORT **