

Experiment Number: 842507

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlordane (technical grade)

CAS Number: 12789-03-6

Date Report Requested: 09/16/2018

Time Report Requested: 00:33:44

NTP Study Number:

842507

Study Result:

Positive

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Mutagenicity

G06: Ames Summary Data

Test Compound: Chlordane (technical grade)

CAS Number: 12789-03-6

Date Report Requested: 09/16/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	144 ± 3.7	159 ± 3.5	164 ± 4.9	153 ± 15.7	175 ± 7.8
3.0	134 ± 5.2				
10.0	129 ± 7.5				
33.0	132 ± 8.2				
100.0	123 ± 5.0	184 ± 6.8	163 ± 6.4	155 ± 9.2	163 ± 6.4
333.0	107 ± 3.5	193 ± 2.5	171 ± 7.2	173 ± 10.8	
1000.0		234 ± 5.2	230 ± 5.7	180 ± 14.5	213 ± 4.3
3333.0		286 ± 8.4	262 ± 8.2	259 ± 0.9	273 ± 4.4
6666.0					344 ± 23.4
10000.0		402 ± 5.5	339 ± 17.0	371 ± 22.6	352 ± 25.7
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				852 ± 14.4	1024 ± 70.8
Positive Control ³		489 ± 10.5	606 ± 17.8		
Positive Control ⁴	960 ± 11.1				

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CAS Number: 12789-03-6

Strain: TA98

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	24 ± 2.0	29 ± 1.8	39 ± 4.0	36 ± 2.0	31 ± 3.9
3.0	28 ± 0.6				
10.0	20 ± 1.0				
33.0	25 ± 2.0				
100.0	28 ± 1.2			40 ± 6.6	
333.0	28 ± 4.3	38 ± 1.0	28 ± 6.0	35 ± 2.5	36 ± 3.8
1000.0		22 ± 5.6	24 ± 2.4	46 ± 5.2	27 ± 2.3
3333.0		29 ± 0.9	27 ± 2.3	45 ± 3.6	33 ± 4.1
6666.0		28 ± 1.5	26 ± 2.9		37 ± 2.4
10000.0		24 ± 2.6	22 ± 0.9	62 ± 1.5	33 ± 3.5
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ⁵					
Positive Control ²		358 ± 47.1	152 ± 7.6	134 ± 1.3	136 ± 3.2
Positive Control ⁶	625 ± 11.9				

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Test Type: Genetic Toxicology - Bacterial
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Test Compound: Chlordane (technical grade)

Time Report Requested: 00:33:44

CAS Number: 12789-03-6

Strain: TA98

Dose (ug/Plate)	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	44 ± 2.9	34 ± 2.6	39 ± 1.7	31 ± 3.6
3.0				
10.0				
33.0				
100.0			47 ± 2.0	
333.0	34 ± 5.1	39 ± 0.9	33 ± 4.5	33 ± 2.9
1000.0	44 ± 4.4	42 ± 5.7	45 ± 3.2	47 ± 3.5
3333.0	39 ± 5.3	43 ± 2.6	55 ± 2.7	40 ± 1.2
6666.0	26 ± 0.7	30 ± 3.8		38 ± 2.0
10000.0	21 ± 2.1	33 ± 0.0	54 ± 1.9	41 ± 4.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵	977 ± 14.3	619 ± 53.5		
Positive Control ²			520 ± 39.5	403 ± 14.7
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: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 0.5 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****