

Experiment Number: 907413

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

G06: Ames Summary Data

Test Compound: **Toxaphene**

CAS Number: **8001-35-2**

Date Report Requested: **09/17/2018**

Time Report Requested: **01:35:35**

NTP Study Number:

907413

Study Result:

Positive

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Test Compound: Toxaphene

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Date Report Requested: 09/17/2018

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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	107 ± 3.6	78 ± 3.4	115 ± 4.8	99 ± 0.3	93 ± 4.2
100.0	154 ± 13.2	174 ± 25.6	128 ± 17.4		115 ± 8.5
333.0	250 ± 4.1	273 ± 33.7	135 ± 16.9	144 ± 10.0	127 ± 13.1
1000.0	366 ± 19.5	280 ± 33.4	138 ± 12.8 ^P	151 ± 10.2	136 ± 10.5 ^P
3333.0	803 ± 13.5 ^P	528 ± 12.5	199 ± 2.0 ^P	188 ± 6.7	169 ± 9.0 ^P
6666.0				228 ± 9.3	
10000.0	950 ± 144.1 ^P	543 ± 36.0	309 ± 8.2 ^P	281 ± 23.7	340 ± 1.5 ^P
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			1059 ± 48.3	438 ± 5.6	2409 ± 135.3
Positive Control ³	505 ± 4.7	208 ± 16.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	95 ± 5.3
100.0	
333.0	130 ± 11.0
1000.0	150 ± 5.8
3333.0	174 ± 9.0
6666.0	224 ± 22.2
10000.0	291 ± 7.7
Trial Summary	Positive
Positive Control ²	1024 ± 61.8
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 1.9	5 ± 1.0	10 ± 1.8
100.0	16 ± 2.5	7 ± 1.5	6 ± 0.6
333.0	16 ± 1.8	10 ± 1.0	8 ± 1.3
1000.0	14 ± 1.2	9 ± 0.3 ^P	4 ± 1.0 ^P
3333.0	20 ± 0.6 ^P	8 ± 1.5 ^P	8 ± 1.0 ^P
10000.0	19 ± 1.5 ^P	13 ± 3.5 ^P	11 ± 0.3 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ³	460 ± 15.8		
Positive Control ⁴		139 ± 17.9	566 ± 13.8

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Test Compound: Toxaphene
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Date Report Requested: 09/17/2018
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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.0	7 ± 0.3	5 ± 0.9
100.0	6 ± 1.0	6 ± 1.5	5 ± 0.6
333.0	6 ± 0.9	7 ± 1.0	8 ± 2.0
1000.0	9 ± 2.6	7 ± 0.7 ^P	10 ± 2.7 ^P
3333.0	8 ± 1.9 ^P	7 ± 1.2 ^P	5 ± 0.3 ^P
10000.0	10 ± 2.6 ^P	8 ± 0.6 ^P	10 ± 2.3 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		218 ± 9.0	379 ± 29.3
Positive Control ⁵	139 ± 17.9		

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Test Compound: Toxaphene

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Date Report Requested: 09/17/2018

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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 ± 2.8	16 ± 1.2	34 ± 4.3	20 ± 1.3	31 ± 2.9
100.0	38 ± 1.7	22 ± 5.0	42 ± 3.2		39 ± 1.8
333.0	42 ± 1.2	35 ± 3.2	42 ± 1.2	24 ± 2.3	41 ± 2.6
1000.0	57 ± 3.5	52 ± 6.1	38 ± 3.8 ^P	23 ± 4.0	38 ± 4.7 ^P
3333.0	112 ± 13.3 ^P	78 ± 11.6	47 ± 2.1 ^P	29 ± 1.0	44 ± 7.9 ^P
6666.0				38 ± 7.0	
10000.0	127 ± 22.3 ^P	79 ± 4.9	59 ± 6.4 ^P	61 ± 7.1	53 ± 5.0 ^P
Trial Summary	Positive	Positive	Equivocal	Equivocal	Equivocal
Positive Control ²			944 ± 27.1	386 ± 14.6	1972 ± 56.5
Positive Control ⁶	945 ± 30.9	325 ± 9.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	36 ± 3.1
100.0	
333.0	28 ± 4.3
1000.0	37 ± 2.7
3333.0	39 ± 5.8
6666.0	41 ± 2.6
10000.0	47 ± 5.0
Trial Summary	Negative
Positive Control ²	948 ± 61.4
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: 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

** END OF REPORT **