

Experiment Number: 888679

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Triphenyl Phosphate

CAS Number: 115-86-6

Date Report Requested: 09/16/2018

Time Report Requested: 20:21:21

NTP Study Number:

888679

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	108 ± 3.2	122 ± 5.4	116 ± 7.8	119 ± 9.8	134 ± 8.3
100.0	134 ± 2.9	132 ± 3.8	161 ± 15.9	157 ± 3.6	149 ± 15.8
333.0	183 ± 16.8	139 ± 13.7	153 ± 1.2	136 ± 5.8	162 ± 7.1
1000.0	186 ± 13.5	143 ± 5.0	188 ± 19.6	158 ± 7.5	157 ± 14.2
3333.0	181 ± 4.9 ^p	132 ± 9.2 ^p	170 ± 8.6 ^p	145 ± 17.1 ^p	164 ± 5.4 ^p
10000.0	172 ± 6.4 ^p	132 ± 3.3 ^p	150 ± 1.0 ^p	133 ± 8.3 ^p	160 ± 8.0 ^p
Trial Summary	Equivocal	Negative	Equivocal	Negative	Negative
Positive Control ²	467 ± 18.0	477 ± 6.4			
Positive Control ³			846 ± 26.4	820 ± 36.8	2355 ± 34.5

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	127 ± 11.7
100.0	151 ± 2.2
333.0	129 ± 11.5
1000.0	136 ± 9.6
3333.0	151 ± 0.7 ^P
10000.0	153 ± 8.9 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1510 ± 50.0

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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	31 ± 0.7	35 ± 3.1	41 ± 5.5	30 ± 4.3	29 ± 1.0
100.0	36 ± 4.1	43 ± 2.3	40 ± 4.3	21 ± 3.0	27 ± 3.6
333.0	41 ± 4.6	33 ± 5.4	41 ± 2.7	28 ± 0.9	27 ± 7.8
1000.0	47 ± 5.0	31 ± 6.8	47 ± 1.2	26 ± 3.2	29 ± 7.2
3333.0	43 ± 7.6 ^P	43 ± 5.1 ^P	36 ± 4.0 ^P	26 ± 0.7 ^P	28 ± 1.2 ^P
10000.0	37 ± 7.1 ^P	44 ± 1.5 ^P	36 ± 6.5 ^P	22 ± 5.6 ^P	26 ± 3.6 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	443 ± 29.1	399 ± 18.0			
Positive Control ⁴			331 ± 13.7	266 ± 33.5	563 ± 28.0

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Strain: TA1535

Dose (ug/Plate)	With 50% Hamster S9
Vehicle Control ¹	42 ± 3.6
100.0	35 ± 5.5
333.0	40 ± 4.6
1000.0	47 ± 3.4
3333.0	31 ± 1.7 ^P
10000.0	33 ± 2.3 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	645 ± 25.2

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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	11 ± 1.8	5 ± 0.7	14 ± 1.2	12 ± 2.7	8 ± 0.9
100.0	11 ± 2.6	7 ± 0.9	9 ± 2.8	7 ± 1.2	7 ± 0.3
333.0	6 ± 1.0	5 ± 0.3	10 ± 1.2	7 ± 0.6	7 ± 2.8
1000.0	6 ± 1.5	6 ± 0.7	15 ± 1.5	8 ± 1.5	7 ± 1.2
3333.0	6 ± 0.6 ^P	7 ± 0.3 ^P	11 ± 4.8 ^P	6 ± 0.6 ^P	7 ± 0.6 ^P
10000.0	6 ± 1.5 ^P	8 ± 1.7 ^P	9 ± 4.2 ^P	4 ± 0.7 ^P	6 ± 0.7 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			266 ± 9.8	241 ± 15.6	465 ± 15.2
Positive Control ⁵	388 ± 33.5	205 ± 40.4			

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Strain: TA1537

Dose (ug/Plate)	With 50% Hamster S9
Vehicle Control ¹	19 ± 4.7
100.0	18 ± 0.3
333.0	8 ± 2.4
1000.0	10 ± 2.2
3333.0	9 ± 2.7 ^P
10000.0	8 ± 1.2 ^P
Trial Summary	Negative
Positive Control ⁴	591 ± 16.8
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	28 ± 2.2	19 ± 2.6	37 ± 2.3	35 ± 1.0	48 ± 5.8
100.0	26 ± 2.9	21 ± 3.0	38 ± 7.1	28 ± 2.1	37 ± 3.5
333.0	28 ± 4.5	24 ± 2.3	44 ± 5.8	28 ± 5.5	36 ± 3.7
1000.0	25 ± 3.1	20 ± 2.9	44 ± 2.9	28 ± 2.3	35 ± 3.2
3333.0	28 ± 1.2 ^P	22 ± 3.6 ^P	32 ± 3.5 ^P	20 ± 2.9 ^P	35 ± 1.5 ^P
10000.0	25 ± 2.1 ^P	23 ± 5.7 ^P	36 ± 2.9 ^P	28 ± 0.9 ^P	25 ± 3.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			436 ± 5.1	591 ± 44.4	1856 ± 19.6
Positive Control ⁶	758 ± 14.2	722 ± 8.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	37 ± 3.0
100.0	29 ± 0.7
333.0	32 ± 4.4
1000.0	32 ± 5.0
3333.0	30 ± 3.5 ^P
10000.0	30 ± 1.8 ^P
Trial Summary	Negative
Positive Control ³	1102 ± 66.6
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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

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 ****