

Experiment Number: 618410

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tricresyl Phosphate

CAS Number: 1330-78-5

Date Report Requested: 09/15/2018

Time Report Requested: 07:40:16

NTP Study Number:

618410

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	95 ± 4.2	112 ± 5.9	120 ± 5.0	124 ± 4.3	110 ± 9.9
100.0	127 ± 2.0	108 ± 7.9	129 ± 6.2	120 ± 3.6	129 ± 3.2
333.3	140 ± 2.0	102 ± 6.3	105 ± 3.5	126 ± 8.7	131 ± 4.1
1000.0	126 ± 12.1	116 ± 9.0	119 ± 7.8	118 ± 3.8	128 ± 7.8
3333.3	112 ± 4.4	107 ± 3.8 ^P	128 ± 3.4 ^P	127 ± 7.5 ^P	123 ± 4.1 ^P
10000.0	121 ± 9.6 ^P	126 ± 2.1 ^P	125 ± 11.1 ^P	127 ± 4.4 ^P	130 ± 8.3 ^P
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²	286 ± 9.0	190 ± 7.4			
Positive Control ³			195 ± 11.0	904 ± 24.8	203 ± 9.0

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	112 ± 12.9
100.0	115 ± 4.2
333.3	126 ± 11.1
1000.0	135 ± 4.1
3333.3	132 ± 2.3 ^P
10000.0	123 ± 7.5 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1646 ± 98.9

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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	20 ± 2.8	26 ± 4.2	12 ± 1.5	12 ± 0.9	10 ± 0.7
100.0	21 ± 2.0	19 ± 1.0	16 ± 1.9	7 ± 0.6	16 ± 1.2
333.3	24 ± 3.5	21 ± 5.5	10 ± 1.5	9 ± 1.9	16 ± 0.9
1000.0	25 ± 0.7	14 ± 2.0	14 ± 0.3	12 ± 1.5	13 ± 2.3
3333.3	28 ± 2.1	11 ± 1.8 ^P	8 ± 1.9 ^P	13 ± 3.5 ^P	18 ± 1.3 ^P
10000.0	17 ± 1.7 ^P	20 ± 0.3 ^P	12 ± 1.7 ^P	11 ± 2.2 ^P	14 ± 3.2 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	287 ± 11.6	191 ± 9.0			
Positive Control ⁴			94 ± 11.4	490 ± 12.3	127 ± 1.0

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 0.3
100.0	12 ± 1.9
333.3	9 ± 0.3
1000.0	11 ± 1.2
3333.3	11 ± 1.9 ^p
10000.0	10 ± 0.9 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	538 ± 8.4

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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	9 ± 3.4	7 ± 1.0	18 ± 0.7	16 ± 2.0	12 ± 2.0
100.0	16 ± 1.8	10 ± 2.5	18 ± 3.5	17 ± 2.3	31 ± 3.5
333.3	12 ± 2.0	8 ± 3.0	20 ± 4.0	18 ± 3.4	15 ± 2.0
1000.0	14 ± 1.2	6 ± 1.8	24 ± 0.9	16 ± 1.8	23 ± 1.9
3333.3	15 ± 3.2	8 ± 0.9 ^P	12 ± 5.5 ^P	15 ± 2.7 ^P	24 ± 2.3 ^P
10000.0	16 ± 2.2 ^P	9 ± 1.5 ^P	16 ± 1.7 ^P	14 ± 1.7 ^P	21 ± 1.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ⁴			39 ± 7.4	532 ± 21.7	50 ± 0.9
Positive Control ⁵	413 ± 39.1	248 ± 75.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 0.7
100.0	16 ± 0.3
333.3	13 ± 3.0
1000.0	17 ± 2.1
3333.3	14 ± 2.1 ^P
10000.0	16 ± 2.2 ^P
Trial Summary	Negative
Positive Control ⁴	554 ± 29.2
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	33 ± 1.5	23 ± 2.2	35 ± 2.8	24 ± 3.2	49 ± 2.1
100.0	30 ± 0.3	34 ± 7.9	43 ± 3.8	32 ± 5.8	43 ± 2.7
333.3	20 ± 3.0	29 ± 3.7	36 ± 3.5	28 ± 2.4	31 ± 4.7
1000.0	28 ± 7.0	34 ± 4.8	37 ± 1.9	28 ± 0.6	40 ± 6.6
3333.3	35 ± 2.5	23 ± 2.8 ^p	41 ± 2.7 ^p	30 ± 5.2 ^p	37 ± 4.4
10000.0	28 ± 1.5 ^p	27 ± 6.4 ^p	41 ± 2.2 ^p	28 ± 2.2 ^p	40 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			114 ± 6.5	666 ± 158.7	158 ± 7.3
Positive Control ⁶	626 ± 11.2	883 ± 13.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	38 ± 3.8
100.0	35 ± 5.0
333.3	34 ± 2.5
1000.0	33 ± 4.3
3333.3	38 ± 3.6 ^P
10000.0	42 ± 2.6 ^P
Trial Summary	Negative
Positive Control ³	1361 ± 21.7
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 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 **