

Experiment Number: 639784

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tris(2-Chloroethyl) Phosphate

CAS Number: 115-96-8

Date Report Requested: 09/10/2018

Time Report Requested: 23:46:19

NTP Study Number:

639784

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	107 ± 11.2	130 ± 3.1	115 ± 8.5	105 ± 5.3	119 ± 7.7
10.0	140 ± 13.4				
33.0	131 ± 7.3	138 ± 15.1	123 ± 4.2	111 ± 4.3	131 ± 7.5
100.0	123 ± 7.5	129 ± 9.6	104 ± 10.9	108 ± 4.4	108 ± 8.6
333.0	117 ± 4.9	135 ± 10.6	127 ± 15.2	126 ± 5.9	118 ± 3.5
1000.0	129 ± 10.4	127 ± 1.5	121 ± 3.8	130 ± 5.5	136 ± 12.2
3333.0		98 ± 11.1 ^s	111 ± 17.9	27 ± 10.8 ^s	61 ± 8.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			439 ± 9.7	423 ± 3.6	1078 ± 7.5
Positive Control ³	530 ± 5.4	641 ± 13.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	126 ± 2.5
10.0	
33.0	144 ± 14.1
100.0	133 ± 4.4
333.0	147 ± 2.8
1000.0	154 ± 4.5
3333.0	57 ± 56.5 ^s
Trial Summary	Negative
Positive Control ²	1088 ± 9.3
Positive Control ³	

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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	19 ± 1.5	32 ± 3.6	7 ± 1.5	11 ± 3.1	12 ± 1.5
10.0	19 ± 1.5				
33.0	19 ± 0.6	31 ± 3.6	10 ± 2.5	8 ± 0.3	6 ± 0.7
100.0	23 ± 5.0	24 ± 2.5	7 ± 0.9	11 ± 1.5	11 ± 2.7
333.0	22 ± 2.5	23 ± 2.4	8 ± 0.6	9 ± 1.7	14 ± 0.6
1000.0	17 ± 1.7	30 ± 3.5	15 ± 0.3	10 ± 2.1	16 ± 1.3
3333.0		13 ± 8.9 ^s	11 ± 2.7	0 ± 0.0 ^s	11 ± 3.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	423 ± 11.4	564 ± 14.2			
Positive Control ⁴			190 ± 16.3	157 ± 15.9	550 ± 11.9

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Date Report Requested: 09/10/2018

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.2
10.0	
33.0	10 ± 3.4
100.0	10 ± 1.5
333.0	12 ± 3.2
1000.0	18 ± 1.0
3333.0	8 ± 1.9 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	477 ± 5.5

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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	5 ± 0.3	6 ± 1.7	9 ± 1.7	8 ± 2.0	5 ± 1.8
10.0	13 ± 6.5				
33.0	5 ± 1.9	5 ± 0.7	4 ± 1.9	6 ± 1.5	8 ± 1.3
100.0	4 ± 0.3	6 ± 1.2	8 ± 0.3	4 ± 0.9	8 ± 1.3
333.0	5 ± 1.5	4 ± 0.6	7 ± 2.7	8 ± 2.9	9 ± 1.5
1000.0	4 ± 0.3	4 ± 1.5	8 ± 2.5	5 ± 0.7	5 ± 1.5
3333.0		Toxic	6 ± 3.2	2 ± 1.2 ^s	3 ± 1.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			156 ± 4.5	98 ± 9.0	390 ± 17.9
Positive Control ⁵	89 ± 16.9	126 ± 10.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 2.6
10.0	
33.0	7 ± 1.3
100.0	9 ± 1.3
333.0	6 ± 0.9
1000.0	10 ± 2.3
3333.0	2 ± 1.5 ^s
Trial Summary	Negative
Positive Control ⁴	341 ± 21.2
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	17 ± 1.7	26 ± 0.9	28 ± 2.7	37 ± 5.2	30 ± 3.2
10.0	17 ± 0.9				
33.0	17 ± 0.6	16 ± 1.2	22 ± 2.7	23 ± 2.4	22 ± 3.4
100.0	15 ± 1.7	15 ± 2.1	19 ± 1.5	31 ± 1.2	24 ± 2.0
333.0	14 ± 3.3	23 ± 1.5	26 ± 7.7	23 ± 3.2	29 ± 1.7
1000.0	9 ± 2.3	16 ± 1.9	22 ± 5.5	21 ± 3.8	22 ± 1.8
3333.0		Toxic	22 ± 3.4	7 ± 7.0 ^s	21 ± 4.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			317 ± 18.3	294 ± 21.5	910 ± 46.2
Positive Control ⁶	839 ± 23.2	874 ± 21.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	33 ± 3.2
10.0	
33.0	30 ± 3.3
100.0	21 ± 2.0
333.0	27 ± 3.7
1000.0	31 ± 4.2
3333.0	15 ± 3.4 ^s
Trial Summary	Negative
Positive Control ²	844 ± 41.5
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

s: Slight Toxicity

**** END OF REPORT ****