

Experiment Number: 881124

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

G06: Ames Summary Data

Test Compound: **tris(2-Chloroethyl) phosphite**

CAS Number: **140-08-9**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:30:01**

NTP Study Number:

881124

Study Result:

Equivocal

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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	137 ± 5.5	137 ± 6.2	160 ± 6.0	127 ± 11.7	152 ± 3.3
100.0	117 ± 6.7	138 ± 7.8	142 ± 12.3	131 ± 4.2	121 ± 11.4
333.0	90 ± 11.7	109 ± 9.3	161 ± 13.6	125 ± 9.5	128 ± 8.1
1000.0	111 ± 11.3	120 ± 9.1	165 ± 7.3	127 ± 10.7	121 ± 12.3
3333.0	99 ± 10.0	129 ± 3.5	182 ± 12.9	136 ± 6.4	128 ± 12.3
10000.0	89 ± 5.5	95 ± 14.0	164 ± 3.0	147 ± 3.0	147 ± 15.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	259 ± 14.4	244 ± 8.8			
Positive Control ³			567 ± 27.7	706 ± 22.1	1148 ± 58.9

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	130 ± 8.2
100.0	127 ± 15.1
333.0	126 ± 2.1
1000.0	144 ± 5.4
3333.0	172 ± 12.3
10000.0	197 ± 4.5
Trial Summary	Equivocal
Positive Control ²	
Positive Control ³	1186 ± 32.2

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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	26 ± 2.9	24 ± 4.6	18 ± 1.0	12 ± 2.0	13 ± 0.6
100.0	24 ± 3.2	22 ± 5.2	15 ± 2.5	12 ± 3.0	12 ± 2.3
333.0	20 ± 3.0	13 ± 2.4	14 ± 3.6	18 ± 1.2	11 ± 4.0
1000.0	14 ± 1.5	9 ± 1.8	16 ± 2.1	16 ± 4.6	10 ± 2.8
3333.0	11 ± 1.5	8 ± 2.3	20 ± 2.1	16 ± 1.8	17 ± 1.2
10000.0	18 ± 3.5	8 ± 0.6	29 ± 4.9	25 ± 2.1	23 ± 2.0
Trial Summary	Negative	Negative	Equivocal	Equivocal	Equivocal
Positive Control ²	284 ± 2.3	273 ± 6.1			
Positive Control ⁴			144 ± 9.4	171 ± 8.1	389 ± 2.5

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.9
100.0	12 ± 2.2
333.0	14 ± 3.2
1000.0	15 ± 0.7
3333.0	15 ± 1.0
10000.0	17 ± 1.0
Trial Summary	Equivocal
Positive Control ²	
Positive Control ⁴	362 ± 21.2

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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	5 ± 1.7	7 ± 1.2	10 ± 1.7	5 ± 1.2	7 ± 2.9
100.0	7 ± 1.2	7 ± 0.9	10 ± 2.2	9 ± 2.7	7 ± 0.7
333.0	3 ± 0.6	4 ± 0.9	13 ± 0.7	8 ± 0.3	5 ± 1.0
1000.0	3 ± 1.2	4 ± 1.2	13 ± 0.0	6 ± 3.8	5 ± 2.1
3333.0	4 ± 0.7	5 ± 1.7	15 ± 0.6	8 ± 1.9	5 ± 1.7
10000.0	2 ± 0.3	4 ± 1.5	9 ± 1.5	8 ± 2.9	3 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			205 ± 2.3	234 ± 21.4	537 ± 17.7
Positive Control ⁵	329 ± 28.0	271 ± 10.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.7
100.0	8 ± 0.9
333.0	9 ± 2.3
1000.0	3 ± 0.6
3333.0	7 ± 1.2
10000.0	3 ± 0.7
Trial Summary	Negative
Positive Control ⁴	619 ± 10.4
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	18 ± 4.2	17 ± 1.9	28 ± 2.1	24 ± 1.7	27 ± 2.8
100.0	15 ± 1.0	18 ± 5.8	38 ± 3.6	29 ± 1.0	28 ± 4.0
333.0	9 ± 1.5	15 ± 3.0	35 ± 4.0	16 ± 0.9	19 ± 1.5
1000.0	9 ± 1.7	12 ± 2.4	27 ± 6.7	19 ± 1.2	20 ± 4.6
3333.0	13 ± 0.9	7 ± 0.9	24 ± 2.2	23 ± 5.2	15 ± 0.9
10000.0	12 ± 1.8	9 ± 1.9	25 ± 2.1	23 ± 3.5	16 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			498 ± 33.0	507 ± 18.2	1093 ± 63.3
Positive Control ⁶	463 ± 33.7	478 ± 11.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 2.8
100.0	29 ± 1.9
333.0	32 ± 2.0
1000.0	23 ± 1.0
3333.0	29 ± 1.7
10000.0	25 ± 4.1
Trial Summary	Negative
Positive Control ³	1054 ± 43.7
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

**** END OF REPORT ****