

Experiment Number: 815918

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 09/15/2018

Time Report Requested: 14:11:30

NTP Study Number:

815918

Study Result:

Negative

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Test Compound: Tris(Chloropropyl)phosphate
CAS Number: 13674-84-5

Date Report Requested: 09/15/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	152 ± 6.9	162 ± 4.7	135 ± 7.0	128 ± 2.9	127 ± 3.2
3.3		118 ± 7.6			
10.0	157 ± 2.4	126 ± 29.0	138 ± 7.2	131 ± 6.4	126 ± 9.4
33.0	144 ± 6.4	156 ± 2.5	139 ± 7.2	133 ± 5.0	157 ± 2.9
100.0	145 ± 4.9	127 ± 2.8	128 ± 8.6	135 ± 6.1	176 ± 8.7
333.0	145 ± 2.6	126 ± 1.0	119 ± 6.6	148 ± 0.7	186 ± 9.2
666.0			84 ± 4.9 ^s		132 ± 4.5 ^s
667.0	128 ± 2.6 ^s				
1000.0				111 ± 23.3 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²					719 ± 41.6
Positive Control ³	468 ± 13.8	351 ± 91.9			
Positive Control ⁴			801 ± 92.3		
Positive Control ⁵					
Positive Control ⁶				398 ± 5.0	

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	94 ± 3.5	142 ± 6.1
3.3		
10.0	91 ± 3.3	157 ± 20.5
33.0	83 ± 4.1	130 ± 2.3
100.0	105 ± 2.1	113 ± 12.0
333.0	131 ± 7.1	162 ± 8.6
666.0	100 ± 4.0 ^s	
667.0		
1000.0		112 ± 9.5 ^s
Trial Summary	Equivocal	Negative
Positive Control ²	541 ± 7.2	
Positive Control ³		
Positive Control ⁴		
Positive Control ⁵		494 ± 5.3
Positive Control ⁶		

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	35 ± 0.9	24 ± 1.8	12 ± 0.3	12 ± 1.5	13 ± 3.0
3.3		20 ± 4.0			
10.0	36 ± 1.7	24 ± 3.0			12 ± 2.3
33.0	38 ± 3.4	25 ± 1.8	11 ± 2.3	14 ± 1.9	8 ± 0.7
100.0	34 ± 5.3	26 ± 1.5	11 ± 0.3	10 ± 2.0	10 ± 1.2
333.0	37 ± 6.0	23 ± 1.7	7 ± 0.6	7 ± 1.0	11 ± 2.3
666.0					10 ± 1.5 ^s
667.0	11 ± 10.5 ^s		11 ± 1.9 ^s	8 ± 1.3	
1000.0			6 ± 1.5 ^s	5 ± 0.3 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³	210 ± 0.6	60 ± 5.1			
Positive Control ⁵					
Positive Control ⁶			129 ± 7.1	155 ± 2.5	113 ± 4.2

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Strain: TA1535

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	15 ± 3.6	11 ± 3.2	13 ± 0.9	10 ± 1.2	9 ± 2.3
3.3					
10.0	16 ± 0.3		10 ± 3.8	12 ± 2.7	10 ± 2.6
33.0	15 ± 1.7	13 ± 2.2	12 ± 0.6	8 ± 1.9	17 ± 2.6
100.0	17 ± 3.1	9 ± 1.0	10 ± 1.8	11 ± 1.9	12 ± 2.3
333.0	28 ± 3.6	12 ± 1.0	20 ± 1.5	18 ± 4.8	10 ± 1.9
666.0			23 ± 0.3 ^s	16 ± 4.3 ^s	
667.0		9 ± 1.0			
1000.0	24 ± 3.2 ^s	7 ± 2.0 ^s			9 ± 3.2 ^s
Trial Summary	Equivocal	Negative	Equivocal	Negative	Negative
Positive Control ²			281 ± 4.9	50 ± 2.8	
Positive Control ³					
Positive Control ⁵					48 ± 5.5
Positive Control ⁶	134 ± 8.0	143 ± 6.7			

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	4 ± 0.3	6 ± 0.0	8 ± 1.5
10.0	7 ± 0.6	9 ± 3.2	6 ± 1.5
33.0	6 ± 1.7	7 ± 1.2	5 ± 2.6
100.0	6 ± 1.9	8 ± 1.9	8 ± 2.3
333.0	5 ± 1.9	7 ± 1.5	5 ± 0.9
667.0	6 ± 0.9 ^s		
1000.0		5 ± 1.2 ^s	5 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ⁷		76 ± 4.7	55 ± 1.8
Positive Control ⁸	258 ± 7.9		

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	79 ± 4.1	97 ± 0.9	110 ± 3.7	170 ± 15.5	106 ± 6.8
3.3		89 ± 4.9			
10.0	68 ± 6.2	76 ± 9.5	121 ± 3.2	167 ± 7.8	116 ± 3.5
33.0	71 ± 1.9	91 ± 5.8	118 ± 11.1	170 ± 5.0	92 ± 2.9
100.0	76 ± 4.5	90 ± 4.3	114 ± 2.8	172 ± 6.1	117 ± 7.2
333.0	70 ± 8.4	91 ± 10.1	102 ± 3.6	159 ± 12.8	116 ± 2.0
666.0			86 ± 3.7 ^s		92 ± 4.1 ^s
667.0	Toxic				
1000.0				62 ± 7.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					804 ± 22.1
Positive Control ⁶			1137 ± 7.8		
Positive Control ⁷				556 ± 32.5	
Positive Control ⁹	434 ± 3.2	246 ± 28.7			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	91 ± 11.6
3.3	
10.0	92 ± 2.1
33.0	94 ± 3.8
100.0	85 ± 1.5
333.0	99 ± 13.6
666.0	
667.0	
1000.0	Toxic
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	474 ± 24.0
Positive Control ⁹	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 0.9	14 ± 1.5	30 ± 6.1	29 ± 3.8	29 ± 2.3
3.3		16 ± 1.5			
10.0	17 ± 1.5	13 ± 3.8	33 ± 3.7	36 ± 1.8	28 ± 2.1
33.0	19 ± 0.9	15 ± 1.2	21 ± 3.5	29 ± 2.5	23 ± 3.5
100.0	17 ± 3.7	13 ± 2.3	22 ± 1.5	28 ± 0.9	23 ± 3.6
333.0	18 ± 1.5	18 ± 0.6	23 ± 0.3	23 ± 1.2	26 ± 2.5
666.0			26 ± 3.1 ^s		28 ± 0.9
667.0	18 ± 1.0				
1000.0				27 ± 1.2 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					237 ± 3.2
Positive Control ²			284 ± 52.8		
Positive Control ⁵				84 ± 2.0	
Positive Control ¹¹	154 ± 4.4	527 ± 38.2			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	30 ± 3.5
3.3	
10.0	37 ± 3.8
33.0	36 ± 1.5
100.0	29 ± 3.9
333.0	37 ± 3.9
666.0	
667.0	
1000.0	24 ± 4.9 ^s
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	88 ± 5.7
Positive Control ⁵	
Positive Control ¹¹	

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****