

Experiment Number: 673999

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: tris(1,3-Dichloro-2-propyl) phosphate

CAS Number: 13674-87-8

Date Report Requested: 09/12/2018

Time Report Requested: 06:12:23

**NTP Study Number:**

673999

**Study Result:**

Positive

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CAS Number: 13674-87-8

Date Report Requested: 09/12/2018

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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 <sup>1</sup>	131 ± 3.9	80 ± 2.9	139 ± 4.5	77 ± 2.3	148 ± 6.2
10.0		73 ± 4.3		73 ± 3.8	
33.0		84 ± 4.6		100 ± 2.2	
100.0	118 ± 7.5 <sup>s</sup>	71 ± 3.2 <sup>s</sup>	204 ± 3.8	152 ± 2.7	215 ± 12.2
333.0	111 ± 2.7 <sup>s</sup>	58 ± 2.3 <sup>s</sup>	315 ± 6.3 <sup>s</sup>	265 ± 10.2 <sup>s</sup>	376 ± 19.5 <sup>s</sup>
1000.0	120 ± 6.4 <sup>s</sup>	55 ± 3.3 <sup>s</sup>	383 ± 3.8 <sup>s</sup>	265 ± 13.2 <sup>s</sup>	1014 ± 14.9 <sup>s</sup>
3333.0	108 ± 6.3 <sup>s</sup>		313 ± 11.9 <sup>s</sup>		972 ± 23.7 <sup>s</sup>
10000.0	107 ± 4.4 <sup>s</sup>		304 ± 4.6 <sup>s</sup>		937 ± 5.4 <sup>s</sup>
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control <sup>2</sup>					761 ± 12.9
Positive Control <sup>3</sup>			1272 ± 34.6		
Positive Control <sup>4</sup>	1601 ± 67.4	1241 ± 23.6			
Positive Control <sup>5</sup>				1343 ± 40.7	

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	87 ± 4.3
10.0	93 ± 1.9
33.0	86 ± 3.1
100.0	162 ± 5.4
333.0	411 ± 8.4 <sup>S</sup>
1000.0	798 ± 34.6 <sup>S</sup>
3333.0	
10000.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	877 ± 32.8
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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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 <sup>1</sup>	28 ± 4.3	17 ± 2.7	13 ± 0.9	8 ± 1.2	12 ± 2.1
10.0		16 ± 3.4		10 ± 1.3	
33.0		11 ± 0.3		16 ± 1.3	
100.0	22 ± 3.2	12 ± 0.6	36 ± 2.7 <sup>s</sup>	34 ± 10.0	22 ± 1.9
333.0	21 ± 5.2 <sup>s</sup>	9 ± 1.3 <sup>s</sup>	73 ± 3.2 <sup>s</sup>	69 ± 3.1 <sup>s</sup>	76 ± 4.0 <sup>s</sup>
1000.0	17 ± 2.1 <sup>s</sup>	8 ± 3.8 <sup>s</sup>	77 ± 8.4 <sup>s</sup>	57 ± 3.8 <sup>s</sup>	209 ± 8.5 <sup>s</sup>
3333.0	20 ± 3.2 <sup>s</sup>		68 ± 2.3 <sup>s</sup>		165 ± 15.4 <sup>s</sup>
10000.0	14 ± 0.9 <sup>s</sup>		60 ± 2.4 <sup>s</sup>		185 ± 3.3 <sup>s</sup>
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control <sup>2</sup>					62 ± 3.7
Positive Control <sup>3</sup>			97 ± 1.2	98 ± 9.1	
Positive Control <sup>4</sup>	981 ± 32.0	770 ± 20.5			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 1.2
10.0	12 ± 0.6
33.0	10 ± 0.6
100.0	27 ± 3.5
333.0	80 ± 0.6 <sup>s</sup>
1000.0	168 ± 10.7 <sup>s</sup>
3333.0	
10000.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	82 ± 3.7
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	135 ± 5.8	181 ± 7.3	103 ± 6.7	166 ± 19.0	101 ± 9.3
10.0			106 ± 6.2		109 ± 4.0
33.0			115 ± 0.9		98 ± 4.2
100.0	99 ± 4.0	237 ± 11.0	113 ± 8.7	182 ± 1.5	104 ± 13.2
333.0	116 ± 9.2 <sup>s</sup>	196 ± 11.4 <sup>s</sup>	94 ± 3.9 <sup>s</sup>	264 ± 1.2 <sup>s</sup>	124 ± 7.6 <sup>s</sup>
1000.0	85 ± 9.3 <sup>s</sup>	165 ± 7.2 <sup>s</sup>	93 ± 0.3 <sup>s</sup>	364 ± 9.3 <sup>s</sup>	229 ± 17.1 <sup>s</sup>
3333.0	83 ± 4.7 <sup>s</sup>	100 ± 3.2 <sup>s</sup>		223 ± 11.3 <sup>s</sup>	
10000.0	90 ± 0.9 <sup>s</sup>	119 ± 6.8 <sup>s</sup>		231 ± 5.0 <sup>s</sup>	
Trial Summary	Negative	Equivocal	Negative	Positive	Equivocal
Positive Control <sup>2</sup>				679 ± 27.1	681 ± 21.6
Positive Control <sup>3</sup>		1188 ± 65.1	940 ± 33.0		
Positive Control <sup>6</sup>	213 ± 3.8				

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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 <sup>1</sup>	15 ± 3.4	39 ± 2.5	33 ± 1.7	51 ± 3.2	30 ± 3.0
10.0		34 ± 0.3		54 ± 3.7	
33.0		33 ± 2.9		46 ± 1.9	
100.0	17 ± 3.8	36 ± 4.8	40 ± 4.1	46 ± 2.2	33 ± 1.0
333.0	16 ± 3.8	21 ± 2.2 <sup>s</sup>	38 ± 3.1	45 ± 6.1	43 ± 4.6
1000.0	13 ± 0.6	18 ± 3.8 <sup>s</sup>	42 ± 6.4	37 ± 6.6 <sup>s</sup>	49 ± 1.5
3333.0	14 ± 1.7		29 ± 4.9		43 ± 6.1
10000.0	19 ± 2.0		33 ± 4.3		45 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control <sup>2</sup>					514 ± 30.8
Positive Control <sup>3</sup>			1314 ± 39.0	1286 ± 66.9	
Positive Control <sup>7</sup>	1470 ± 16.5	2045 ± 44.7			

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	47 ± 2.8
10.0	49 ± 4.2
33.0	57 ± 3.2
100.0	52 ± 5.2
333.0	53 ± 4.7
1000.0	47 ± 4.8 <sup>s</sup>
3333.0	
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	896 ± 18.0
Positive Control <sup>3</sup>	
Positive Control <sup>7</sup>	



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**LEGEND**

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 4.0 ug/Plate 2-Aminoanthracene

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**\*\* END OF REPORT \*\***