

Experiment Number: 410739

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: tris(2-Ethylhexyl)trimellitate

CAS Number: 3319-31-1

Date Report Requested: 09/14/2018

Time Report Requested: 22:55:20

NTP Study Number:

410739

Study Result:

Negative

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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	111 ± 4.3	110 ± 7.2	120 ± 5.7	138 ± 3.5	123 ± 4.4
100.0	102 ± 1.8	116 ± 9.2	125 ± 6.9	143 ± 4.3	114 ± 1.7
333.0	91 ± 3.7	114 ± 5.2	109 ± 3.2	127 ± 6.2	114 ± 15.1
1000.0	97 ± 8.8	100 ± 7.7	104 ± 3.0	140 ± 10.5	114 ± 5.5
3333.0	117 ± 2.7	119 ± 11.4	116 ± 8.5	156 ± 1.0	118 ± 8.4
10000.0	104 ± 9.9	75 ± 37.7	116 ± 4.7	152 ± 3.8	122 ± 10.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					683 ± 31.0
Positive Control ³	422 ± 9.1	517 ± 0.7			
Positive Control ⁴			445 ± 9.2	350 ± 15.3	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	138 ± 6.4
100.0	140 ± 11.7
333.0	135 ± 6.4
1000.0	127 ± 5.2
3333.0	134 ± 6.4
10000.0	140 ± 2.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	411 ± 21.2

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Strain: TA1535

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	24 ± 1.5	10 ± 2.0	17 ± 2.1	7 ± 0.9
100.0	13 ± 0.9	25 ± 2.6	9 ± 2.6	16 ± 1.5	11 ± 1.9
333.0	12 ± 1.5	22 ± 1.2	8 ± 1.2	14 ± 0.7	11 ± 0.9
1000.0	10 ± 1.5	23 ± 5.0	11 ± 1.5	15 ± 1.0	8 ± 0.3
3333.0	14 ± 3.2	19 ± 0.3	8 ± 1.3	18 ± 0.7	9 ± 1.7
10000.0	12 ± 0.9	19 ± 2.3	9 ± 0.3	14 ± 2.3	7 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					333 ± 31.3
Positive Control ³	434 ± 11.3	413 ± 11.4			
Positive Control ⁵			158 ± 7.4	86 ± 0.9	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	7 ± 1.0
100.0	8 ± 1.8
333.0	8 ± 0.7
1000.0	8 ± 1.7
3333.0	7 ± 0.7
10000.0	5 ± 0.7
Trial Summary	Negative
Positive Control ⁴	
Positive Control ³	
Positive Control ⁵	192 ± 15.2

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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	136 ± 3.5	141 ± 18.4	184 ± 10.8	166 ± 8.0	182 ± 17.1
100.0	152 ± 6.1	165 ± 10.7	192 ± 9.6	182 ± 4.4	189 ± 10.9
333.0	154 ± 12.2	153 ± 10.1	201 ± 6.2	195 ± 14.8	196 ± 7.4
1000.0	147 ± 2.6	157 ± 18.0	202 ± 5.6	194 ± 4.9	204 ± 3.2
3333.0	138 ± 15.1	177 ± 15.4	205 ± 5.8	197 ± 13.8	190 ± 0.3
10000.0	147 ± 2.6	169 ± 18.7	203 ± 1.9	181 ± 5.5	189 ± 10.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					616 ± 15.5
Positive Control ⁴			365 ± 17.8		
Positive Control ⁵				408 ± 7.9	
Positive Control ⁶	352 ± 22.5	455 ± 46.4			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	124 ± 13.6
100.0	156 ± 14.9
333.0	168 ± 4.7
1000.0	156 ± 20.6
3333.0	162 ± 10.7
10000.0	162 ± 13.3
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	356 ± 15.0
Positive Control ⁵	
Positive Control ⁶	

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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	15 ± 0.9	17 ± 1.9	23 ± 4.0	26 ± 0.9	27 ± 1.8
100.0	15 ± 2.2	16 ± 2.3	20 ± 4.8	23 ± 3.3	24 ± 2.7
333.0	14 ± 2.1	16 ± 2.0	19 ± 0.3	31 ± 0.3	29 ± 2.4
1000.0	16 ± 1.0	17 ± 2.4	27 ± 4.6	27 ± 2.5	26 ± 2.9
3333.0	15 ± 0.3	16 ± 1.2	21 ± 2.0	25 ± 1.3	28 ± 1.7
10000.0	17 ± 2.3	15 ± 5.0	30 ± 1.0	29 ± 0.9	27 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					594 ± 51.4
Positive Control ⁴			335 ± 6.6	136 ± 4.4	
Positive Control ⁷	751 ± 2.0	906 ± 16.1			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	30 ± 3.8
100.0	22 ± 5.0
333.0	25 ± 4.7
1000.0	29 ± 1.8
3333.0	19 ± 4.7
10000.0	22 ± 2.3
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	171 ± 21.7
Positive Control ⁷	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 2-Aminoanthracene

6: 25.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****