

Experiment Number: A75040

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Triacetin

CAS Number: 102-76-1

Date Report Requested: 09/17/2018

Time Report Requested: 19:17:16

NTP Study Number:

A75040

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	104 ± 3.5	100 ± 8.8	102 ± 5.2	85 ± 2.4	140 ± 9.7
100.0	98 ± 3.8	106 ± 4.7	101 ± 12.3	86 ± 4.8	135 ± 7.8
333.0	100 ± 7.8	100 ± 5.8	102 ± 5.3	68 ± 9.5	112 ± 11.3
1000.0	112 ± 6.8	113 ± 1.8	92 ± 11.2	80 ± 1.2	135 ± 13.2
3333.0	102 ± 6.1	105 ± 4.5	125 ± 3.8	92 ± 3.9	77 ± 38.5
10000.0	104 ± 2.8	79 ± 39.7	107 ± 4.9	92 ± 5.5	122 ± 5.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					668 ± 54.9
Positive Control ³	213 ± 15.1	289 ± 5.3			
Positive Control ⁴			483 ± 13.9		
Positive Control ⁵					
Positive Control ⁶				442 ± 78.3	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	82 ± 12.7
100.0	77 ± 5.4
333.0	73 ± 4.2
1000.0	80 ± 1.9
3333.0	78 ± 2.8
10000.0	70 ± 3.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	212 ± 16.9
Positive Control ⁶	

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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	7 ± 1.2	6 ± 0.3	8 ± 1.2	5 ± 0.3
100.0	18 ± 1.2	6 ± 1.2	7 ± 0.9	9 ± 1.7	5 ± 0.9
333.0	14 ± 0.9	7 ± 1.0	5 ± 0.3	12 ± 3.0	7 ± 0.6
1000.0	13 ± 0.9	6 ± 0.0	6 ± 0.7	14 ± 1.8	7 ± 0.3
3333.0	10 ± 2.3	7 ± 1.2	6 ± 0.6	12 ± 1.0	6 ± 1.2
10000.0	19 ± 4.0	6 ± 1.5	7 ± 0.9	13 ± 1.3	6 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					343 ± 17.1
Positive Control ³	196 ± 39.1	67 ± 3.1			
Positive Control ⁵					
Positive Control ⁶			373 ± 53.1	85 ± 13.2	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 3.2
100.0	13 ± 4.7
333.0	16 ± 1.2
1000.0	15 ± 1.5
3333.0	12 ± 2.0
10000.0	13 ± 2.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	280 ± 29.5
Positive Control ⁶	

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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	99 ± 11.3	147 ± 15.9	154 ± 7.6	143 ± 10.9	132 ± 5.2
100.0	93 ± 5.9	130 ± 10.5	151 ± 3.0	122 ± 2.2	130 ± 12.1
333.0	92 ± 9.2	103 ± 17.5	143 ± 13.0	137 ± 15.6	163 ± 7.5
1000.0	93 ± 12.7	110 ± 10.5	152 ± 8.3	154 ± 12.3	155 ± 2.8
3333.0	86 ± 3.8	138 ± 12.7	141 ± 7.1	135 ± 15.2	130 ± 6.2
10000.0	97 ± 4.9	121 ± 9.0	172 ± 26.9	144 ± 10.4	132 ± 16.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					886 ± 35.0
Positive Control ⁶			637 ± 45.1	329 ± 15.1	
Positive Control ⁷	204 ± 4.2	420 ± 15.3			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	116 ± 8.1
100.0	115 ± 16.8
333.0	141 ± 10.2
1000.0	145 ± 13.2
3333.0	130 ± 14.9
10000.0	115 ± 7.4
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	785 ± 124.4
Positive Control ⁷	

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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	21 ± 2.0	23 ± 2.6	19 ± 0.9	28 ± 4.7	24 ± 2.5
100.0	23 ± 0.6	24 ± 2.3	24 ± 2.5	25 ± 3.2	24 ± 1.2
333.0	18 ± 1.5	14 ± 1.8	19 ± 5.0	26 ± 5.4	22 ± 2.6
1000.0	21 ± 3.0	20 ± 2.7	21 ± 2.9	30 ± 4.7	18 ± 1.8
3333.0	24 ± 1.5	15 ± 2.3	19 ± 3.1	22 ± 4.3	18 ± 3.3
10000.0	17 ± 4.4	25 ± 1.8	20 ± 2.0	24 ± 2.1	18 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			188 ± 40.3		756 ± 26.1
Positive Control ⁸	183 ± 21.2	177 ± 15.1			
Positive Control ⁵				279 ± 27.6	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 2.4
100.0	23 ± 1.9
333.0	24 ± 5.5
1000.0	27 ± 3.3
3333.0	20 ± 2.6
10000.0	21 ± 1.0
Trial Summary	Negative
Positive Control ²	
Positive Control ⁸	
Positive Control ⁵	426 ± 9.5

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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: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **