

Experiment Number: 837276

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

G06: Ames Summary Data

Test Compound: **Iodoform**

CAS Number: **75-47-8**

Date Report Requested: **09/15/2018**

Time Report Requested: **23:40:34**

NTP Study Number:

837276

Study Result:

Positive

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G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: **Genetic Toxicology - Bacterial
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Test Compound: Iodoform

Time Report Requested: 23:40:34

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	116 ± 9.0	133 ± 5.0	141 ± 4.0	85 ± 1.9	111 ± 11.5
10.0	131 ± 6.4	140 ± 1.9	134 ± 3.2	95 ± 5.1	119 ± 9.9
33.0	124 ± 9.5		139 ± 9.8		129 ± 14.4
67.0		172 ± 14.4			
100.0	171 ± 1.7	191 ± 9.0	195 ± 19.4	180 ± 3.7	172 ± 13.2
222.0		217 ± 4.3			
333.0	136 ± 3.5	185 ± 3.9	291 ± 28.4	334 ± 16.0	271 ± 9.5
444.0					
666.0	0 ± 0.3 ^s		291 ± 18.2	260 ± 27.5	29 ± 19.1 ^s
888.0				164 ± 16.5	
Trial Summary	Equivocal	Positive	Positive	Positive	Positive
Positive Control ²					2793 ± 36.8
Positive Control ³			1262 ± 2.4	2932 ± 50.5	
Positive Control ⁴	1847 ± 65.0	2288 ± 49.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	101 ± 9.1
10.0	109 ± 5.7
33.0	
67.0	
100.0	169 ± 4.8
222.0	229 ± 16.5
333.0	254 ± 11.8
444.0	209 ± 18.6
666.0	
888.0	
Trial Summary	Positive
Positive Control ²	2685 ± 35.8
Positive Control ³	
Positive Control ⁴	

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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	22 ± 2.1	27 ± 3.8	10 ± 2.4	7 ± 0.7	7 ± 0.7
10.0	22 ± 3.5	27 ± 5.6	11 ± 2.7	11 ± 0.7	11 ± 1.3
33.0	26 ± 2.2		16 ± 3.1		11 ± 4.5
67.0		32 ± 5.2			
100.0	35 ± 3.0	32 ± 4.0	21 ± 1.5	21 ± 2.8	17 ± 2.3
222.0		23 ± 4.0			
333.0	1 ± 0.3 ^s	0 ± 0.0	26 ± 2.4	26 ± 0.9	28 ± 3.2
444.0					
666.0	Toxic		18 ± 1.0	11 ± 1.5	0 ± 0.0 ^s
888.0				1 ± 0.3	
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control ²					186 ± 8.0
Positive Control ³			63 ± 3.7	156 ± 6.7	
Positive Control ⁴	1222 ± 94.1	1840 ± 43.8			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.7
10.0	13 ± 0.6
33.0	
67.0	
100.0	19 ± 1.7
222.0	21 ± 6.1
333.0	20 ± 2.0
444.0	5 ± 2.3
666.0	
888.0	
Trial Summary	Negative
Positive Control ²	192 ± 0.9
Positive Control ³	
Positive Control ⁴	

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CAS Number: 75-47-8

Date Report Requested: 09/15/2018

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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 ± 1.2	9 ± 3.1	7 ± 1.2	8 ± 2.0	7 ± 1.7
10.0	6 ± 0.7	9 ± 1.3	7 ± 0.6	8 ± 3.0	7 ± 0.9
33.0	7 ± 0.9		10 ± 0.3		6 ± 1.5
67.0		10 ± 0.6			
100.0	11 ± 0.7	13 ± 1.8	12 ± 1.2	10 ± 2.7	9 ± 0.7
222.0		13 ± 1.2			
333.0	4 ± 3.4	6 ± 0.9	13 ± 2.9	17 ± 4.7	14 ± 4.2
444.0					
666.0	1 ± 0.7 ^s		20 ± 2.8	22 ± 7.9	1 ± 0.7 ^s
888.0				7 ± 0.0	
Trial Summary	Negative	Negative	Positive	Negative	Negative
Positive Control ²					195 ± 24.9
Positive Control ³			116 ± 8.8	179 ± 16.9	
Positive Control ⁵	443 ± 45.3	1556 ± 33.7			

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Date Report Requested: 09/15/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.5
10.0	8 ± 1.5
33.0	
67.0	
100.0	15 ± 2.7
222.0	13 ± 1.2
333.0	19 ± 0.9
444.0	14 ± 3.5
666.0	
888.0	
Trial Summary	Positive
Positive Control ²	275 ± 27.8
Positive Control ³	
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	20 ± 3.2	15 ± 1.3	23 ± 0.9	17 ± 4.6	25 ± 3.7
10.0	27 ± 0.7	21 ± 1.8	22 ± 1.0	21 ± 2.1	18 ± 2.6
33.0	36 ± 0.7		28 ± 1.0		39 ± 3.8
67.0		53 ± 4.7			
100.0	60 ± 8.0	65 ± 3.2	57 ± 3.5	61 ± 3.5	58 ± 6.2
222.0		149 ± 5.6			
333.0	137 ± 4.6	144 ± 9.7	178 ± 20.0	211 ± 7.8	184 ± 16.6
444.0					
666.0	5 ± 3.2 ^s		308 ± 27.5	316 ± 15.7	31 ± 24.1
888.0				204 ± 29.5	
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					1542 ± 33.0
Positive Control ³			1166 ± 23.8	1619 ± 98.2	
Positive Control ⁶	1954 ± 43.6	1998 ± 41.8			

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Time Report Requested: 23:40:34

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	22 ± 3.2
10.0	25 ± 3.8
33.0	
67.0	
100.0	49 ± 1.7
222.0	124 ± 12.2
333.0	205 ± 13.0
444.0	247 ± 9.9
666.0	
888.0	
Trial Summary	Positive
Positive Control ²	1741 ± 118.5
Positive Control ³	
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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****