

Experiment Number: 445991

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

G06: Ames Summary Data

Test Compound: **Tribromomethane**

CAS Number: **75-25-2**

Date Report Requested: **09/10/2018**

Time Report Requested: **22:08:26**

NTP Study Number:

445991

Study Result:

Equivocal

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Test Compound: Tribromomethane
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Date Report Requested: 09/10/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	115 ± 5.9	80 ± 2.0	147 ± 8.4	109 ± 6.8	110 ± 6.8
10.0	108 ± 6.4	75 ± 2.3		116 ± 4.7	78 ± 4.4
33.0	115 ± 10.5	81 ± 4.3		107 ± 8.2	79 ± 6.4
100.0	117 ± 10.7	82 ± 1.5		103 ± 2.6	79 ± 5.5
300.0			151 ± 4.4		
333.0	126 ± 13.2	113 ± 4.5		105 ± 9.2	82 ± 2.6
400.0			167 ± 6.2		
450.0			152 ± 2.9		
500.0			171 ± 3.3		
550.0			160 ± 3.8		
600.0			167 ± 7.2 ^s		
650.0			171 ± 6.3 ^s		
666.0	157 ± 3.0	158 ± 10.5		107 ± 4.9	81 ± 4.3
700.0			99 ± 44.9 ^s		
750.0					
900.0					
1000.0		Toxic			62 ± 11.4 ^s
Trial Summary	Equivocal	Weakly Positive	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				1087 ± 25.1	1061 ± 162.9
Positive Control ⁴	1460 ± 28.2	1613 ± 98.1	2812 ± 107.6		

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	93 ± 6.7	110 ± 12.3
10.0	97 ± 4.9	122 ± 2.6
33.0	98 ± 11.6	100 ± 7.0
100.0	109 ± 4.3	82 ± 4.6
300.0		
333.0	105 ± 7.0	120 ± 7.1
400.0		
450.0		
500.0		
550.0		
600.0		
650.0		
666.0	94 ± 6.1	128 ± 3.5
700.0		
750.0		
900.0		
1000.0		79 ± 6.4 ^s
Trial Summary	Negative	Negative
Positive Control ²	1332 ± 33.3	1880 ± 127.3
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 ± 4.2	17 ± 4.2	9 ± 1.9	8 ± 0.0	12 ± 3.4
10.0	21 ± 2.0	15 ± 3.3	10 ± 1.2	9 ± 1.2	11 ± 3.0
33.0	25 ± 1.9	14 ± 2.2	12 ± 1.5	13 ± 0.3	6 ± 0.3
100.0	22 ± 1.5	16 ± 2.9	11 ± 3.5	9 ± 3.5	12 ± 0.7
333.0	22 ± 1.2	17 ± 0.7	10 ± 3.5	9 ± 1.7	11 ± 1.2
666.0	25 ± 3.3	22 ± 1.5	12 ± 1.5	13 ± 2.3	11 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					122 ± 7.1
Positive Control ³			62 ± 4.7	54 ± 4.1	
Positive Control ⁴	1101 ± 37.5	1087 ± 22.0			

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Test Compound: Tribromomethane
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Date Report Requested: 09/10/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 2.2
10.0	11 ± 0.0
33.0	8 ± 1.5
100.0	12 ± 0.6
333.0	10 ± 3.2
666.0	15 ± 3.5
Trial Summary	Negative
Positive Control ²	165 ± 9.4
Positive Control ³	
Positive Control ⁴	

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Test Compound: Tribromomethane

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Date Report Requested: 09/10/2018

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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	7 ± 3.2	8 ± 2.1	10 ± 1.9	10 ± 2.2	9 ± 1.5
10.0	8 ± 1.7	4 ± 0.9	9 ± 1.9	9 ± 1.7	9 ± 0.9
33.0	7 ± 1.8	9 ± 3.5	10 ± 3.0	6 ± 0.9	9 ± 3.4
100.0	5 ± 1.2	7 ± 0.7	8 ± 1.3	9 ± 0.3	10 ± 1.5
333.0	7 ± 1.2	7 ± 1.7	12 ± 0.7	8 ± 1.7	10 ± 1.5
666.0	8 ± 2.7	7 ± 1.0	12 ± 3.2	10 ± 1.9	10 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					149 ± 15.2
Positive Control ³			78 ± 4.0	174 ± 10.4	
Positive Control ⁵	460 ± 23.3	385 ± 93.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.7
10.0	11 ± 2.6
33.0	6 ± 3.0
100.0	8 ± 1.9
333.0	10 ± 3.2
666.0	11 ± 1.5
Trial Summary	Negative
Positive Control ²	250 ± 23.7
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	Without S9	With 10% Rat S9
Vehicle Control ¹	20 ± 1.2	15 ± 1.0	31 ± 2.7	23 ± 2.9	34 ± 2.9
10.0	21 ± 2.3	17 ± 1.8			36 ± 0.6
33.0	20 ± 1.2	20 ± 1.2			36 ± 0.7
100.0	20 ± 2.3	17 ± 2.6	29 ± 2.6		34 ± 4.2
300.0			33 ± 4.3	24 ± 2.0	
333.0	23 ± 3.2	24 ± 5.0			31 ± 1.8
400.0				25 ± 2.8	
450.0				23 ± 2.1	
500.0				32 ± 1.3	
550.0				27 ± 3.4	
600.0			38 ± 6.9	25 ± 4.4	
650.0				21 ± 1.0 ^s	
666.0	26 ± 1.9	20 ± 2.3 ^s			29 ± 4.9
700.0				11 ± 4.8 ^s	
750.0			8 ± 0.9 ^s		
900.0			7 ± 0.7 ^s		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³					1256 ± 16.3
Positive Control ⁶	1925 ± 37.3	1610 ± 25.0	1926 ± 41.2	1986 ± 52.0	

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Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 3.3	32 ± 1.5	28 ± 0.9
10.0	30 ± 3.2	29 ± 1.3	24 ± 1.9
33.0	25 ± 2.6	34 ± 1.2	29 ± 4.4
100.0	27 ± 2.6	32 ± 5.7	33 ± 1.5
300.0			
333.0	19 ± 2.6	36 ± 2.6	32 ± 1.2
400.0			
450.0			
500.0			
550.0			
600.0			
650.0			
666.0	32 ± 5.2	39 ± 2.6	27 ± 2.7
700.0			
750.0			
900.0			
Trial Summary	Negative	Negative	Negative
Positive Control ²		1878 ± 18.9	2291 ± 63.1
Positive Control ³	1555 ± 34.7		
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 ****