

Experiment Number: 564020

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

G06: Ames Summary Data

Test Compound: **Tributylamine**

CAS Number: **102-82-9**

Date Report Requested: **09/13/2018**

Time Report Requested: **23:01:29**

NTP Study Number:

564020

Study Result:

Negative

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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	148 ± 7.6	125 ± 3.0	93 ± 5.1	206 ± 1.5	145 ± 19.4
33.0		115 ± 1.2	108 ± 3.8		
100.0	126 ± 7.8	131 ± 8.7	116 ± 10.1	188 ± 15.2	140 ± 5.4
333.0	111 ± 10.2	124 ± 5.1	110 ± 8.7	171 ± 13.9	159 ± 3.1
1000.0	102 ± 5.2	140 ± 7.9	109 ± 2.9	150 ± 6.8	168 ± 7.9
3333.0	89 ± 7.5	148 ± 6.1	113 ± 9.7	155 ± 5.6	156 ± 15.9
10000.0	53 ± 6.5			84 ± 9.2	136 ± 20.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				2483 ± 132.4	1774 ± 148.8
Positive Control ³	1300 ± 76.3	652 ± 14.7	838 ± 25.5		

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	219 ± 2.3	154 ± 7.2
33.0		
100.0	255 ± 1.8	136 ± 9.5
333.0	230 ± 12.9	163 ± 3.8
1000.0	163 ± 13.2	155 ± 5.4
3333.0	194 ± 21.1	115 ± 7.2
10000.0	123 ± 13.8	106 ± 11.0
Trial Summary	Negative	Negative
Positive Control ²	2428 ± 44.3	1982 ± 24.1
Positive Control ³		

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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	8 ± 0.3	6 ± 0.6	14 ± 3.5	11 ± 3.0	20 ± 1.5
100.0	5 ± 1.7	5 ± 1.2	17 ± 1.2	8 ± 1.5	21 ± 3.3
333.0	6 ± 0.7	7 ± 0.6	10 ± 1.0	10 ± 1.2	14 ± 1.5
1000.0	5 ± 0.6	4 ± 0.6	12 ± 0.9	11 ± 3.5	15 ± 2.7
3333.0	2 ± 1.2	5 ± 1.8	5 ± 0.9	5 ± 1.5	10 ± 2.6
10000.0	Toxic	Toxic	5 ± 0.7	Toxic	22 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			341 ± 12.1	141 ± 12.9	327 ± 15.2
Positive Control ³	1025 ± 49.2	960 ± 20.1			

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Date Report Requested: 09/13/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 2.0
100.0	12 ± 1.3
333.0	9 ± 1.5
1000.0	7 ± 1.5
3333.0	4 ± 1.5
10000.0	6 ± 1.8
Trial Summary	Negative
Positive Control ⁴	275 ± 23.4
Positive Control ³	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	7 ± 1.0	4 ± 0.9	9 ± 1.0	7 ± 1.7	5 ± 0.9
33.0			9 ± 0.9		
100.0	5 ± 0.7	4 ± 0.9	8 ± 2.4	6 ± 0.3	5 ± 1.5
333.0	5 ± 1.5	3 ± 1.8	7 ± 0.3	9 ± 3.2	7 ± 0.7
1000.0	5 ± 1.5	4 ± 0.6	7 ± 1.5	8 ± 0.6	7 ± 1.3
3333.0	4 ± 1.5	Toxic	7 ± 0.3	7 ± 3.2	6 ± 0.7
10000.0	Toxic	Toxic		8 ± 1.0	6 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴				222 ± 16.5	280 ± 30.6
Positive Control ⁵	1530 ± 133.9	120 ± 14.7	595 ± 59.9		

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.3	12 ± 1.2
33.0		
100.0	19 ± 2.3	8 ± 0.7
333.0	12 ± 1.3	6 ± 1.2
1000.0	12 ± 3.8	9 ± 1.9
3333.0	12 ± 0.7	7 ± 0.7
10000.0	15 ± 2.3	6 ± 1.0
Trial Summary	Negative	Negative
Positive Control ⁴	171 ± 34.6	209 ± 29.2
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	15 ± 1.5	19 ± 0.7	32 ± 5.0	25 ± 2.7	38 ± 4.9
100.0	23 ± 1.5	14 ± 0.6	18 ± 3.2	21 ± 3.2	43 ± 3.0
333.0	19 ± 1.5	14 ± 2.9	19 ± 1.3	28 ± 2.6	47 ± 8.4
1000.0	18 ± 3.9	15 ± 1.5	18 ± 3.8	18 ± 1.2	31 ± 4.7
3333.0	13 ± 1.0	18 ± 3.6	19 ± 2.8	21 ± 1.3	22 ± 2.0
10000.0	9 ± 3.8	10 ± 3.4	20 ± 1.8	21 ± 3.6	25 ± 6.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1626 ± 59.8	916 ± 96.5	1928 ± 28.1
Positive Control ⁶	370 ± 45.6	134 ± 3.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	29 ± 1.8
100.0	31 ± 0.6
333.0	28 ± 4.3
1000.0	21 ± 1.2
3333.0	24 ± 4.5
10000.0	19 ± 2.9
Trial Summary	Negative
Positive Control ²	1156 ± 58.2
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: 95% Ethanol
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 3.3 ug/Plate Sodium Azide
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 33.0 ug/Plate 9-Aminoacridine
- 6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****