

Experiment Number: **947899**

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

G06: Ames Summary Data

Test Compound: **sec-Butylamine**

CAS Number: **13952-84-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:57:59**

NTP Study Number:

947899

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	129 ± 6.7	100 ± 6.7	163 ± 4.2	147 ± 6.4	185 ± 15.3
33.0	123 ± 1.0	100 ± 8.5	171 ± 3.5	146 ± 0.9	172 ± 9.4
100.0	115 ± 4.7	97 ± 3.8	156 ± 6.1	127 ± 9.6	190 ± 5.2
333.0	125 ± 2.7	99 ± 4.6	161 ± 11.1	154 ± 6.6	158 ± 5.5
1000.0	124 ± 8.4	99 ± 1.2	158 ± 10.8	131 ± 5.5	169 ± 8.1
3333.0	101 ± 10.7	93 ± 4.3	154 ± 7.6	131 ± 1.5	153 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1020 ± 26.8	1534 ± 246.9	1714 ± 185.3
Positive Control ³	1336 ± 16.0	1011 ± 117.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	157 ± 12.2
33.0	141 ± 1.5
100.0	144 ± 7.7
333.0	135 ± 8.0
1000.0	124 ± 8.3
3333.0	123 ± 4.4
Trial Summary	Negative
Positive Control ²	880 ± 68.6
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	24 ± 2.9	21 ± 1.5	25 ± 3.3	17 ± 2.3	21 ± 0.9
10.0		19 ± 2.0		21 ± 1.2	
33.0	18 ± 0.3	19 ± 2.5	23 ± 2.5	19 ± 2.1	22 ± 3.2
100.0	25 ± 1.5	14 ± 1.5	31 ± 0.9	14 ± 0.6	16 ± 2.8
333.0	21 ± 1.3	21 ± 3.1	28 ± 2.4	20 ± 2.7	15 ± 3.4
1000.0	23 ± 2.0	10 ± 2.0	25 ± 2.8	4 ± 2.1	16 ± 1.7
3333.0	1 ± 0.7		2 ± 1.5		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			470 ± 8.5	611 ± 65.3	260 ± 18.0
Positive Control ³	1457 ± 54.4	1340 ± 152.5			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 2.0
10.0	24 ± 1.2
33.0	23 ± 2.8
100.0	22 ± 1.7
333.0	14 ± 1.5
1000.0	7 ± 1.5
3333.0	
Trial Summary	Negative
Positive Control ⁴	502 ± 11.3
Positive Control ³	

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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	6 ± 1.2	10 ± 4.1	20 ± 3.1	16 ± 1.5	17 ± 1.8
10.0		7 ± 0.9		11 ± 2.2	
33.0	9 ± 1.2	7 ± 1.2	27 ± 0.9	12 ± 1.2	22 ± 1.7
100.0	10 ± 1.2	7 ± 1.5	18 ± 2.0	10 ± 0.6	23 ± 0.6
333.0	11 ± 1.7	6 ± 1.5	20 ± 2.5	14 ± 5.5	22 ± 1.8
1000.0	11 ± 0.3	5 ± 0.9	27 ± 6.9	3 ± 1.2	14 ± 1.5
3333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			759 ± 11.0	521 ± 69.6	593 ± 20.7
Positive Control ⁵	1097 ± 52.2	678 ± 121.2			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 2.0
10.0	17 ± 1.5
33.0	12 ± 1.2
100.0	15 ± 2.5
333.0	13 ± 0.3
1000.0	1 ± 0.7
3333.0	
Trial Summary	Negative
Positive Control ⁴	431 ± 21.4
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	26 ± 2.7	30 ± 1.7	39 ± 4.5	29 ± 2.3	45 ± 1.8
33.0	27 ± 2.0	28 ± 4.7	36 ± 3.8	27 ± 3.2	40 ± 4.6
100.0	23 ± 2.0	30 ± 2.8	35 ± 1.5	27 ± 0.0	46 ± 5.8
333.0	23 ± 2.8	26 ± 3.2	33 ± 3.0	28 ± 2.5	43 ± 4.6
1000.0	27 ± 2.5	22 ± 0.9	35 ± 1.7	31 ± 1.9	35 ± 4.1
3333.0	20 ± 1.8	21 ± 2.3	32 ± 1.5	26 ± 1.7	34 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1008 ± 48.8	1044 ± 133.0	1301 ± 159.8
Positive Control ⁶	246 ± 10.8	186 ± 25.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	40 ± 6.0
33.0	31 ± 3.4
100.0	36 ± 2.0
333.0	39 ± 2.8
1000.0	37 ± 2.3
3333.0	26 ± 2.4
Trial Summary	Negative
Positive Control ²	516 ± 66.2
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: Water

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 **