

Experiment Number: 495793

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

**G06: Ames Summary Data**

Test Compound: **Di-n-butylamine**

CAS Number: 111-92-2

Date Report Requested: **09/11/2018**

Time Report Requested: **23:41:29**

**NTP Study Number:**

495793

**Study Result:**

Negative

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**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	128 ± 4.7	123 ± 3.5	115 ± 7.5	109 ± 8.9	125 ± 7.5
100.0	120 ± 9.1	110 ± 8.0	130 ± 3.3	123 ± 4.8	121 ± 4.3
333.3	107 ± 1.9	94 ± 11.2	124 ± 1.3	113 ± 11.0	128 ± 1.0
1000.0	119 ± 7.7	103 ± 10.5	126 ± 12.2	109 ± 7.8	129 ± 3.8
3333.3	111 ± 8.0	104 ± 18.7	121 ± 6.9	112 ± 9.7	115 ± 0.9
10000.0	117 ± 7.7	110 ± 8.8	116 ± 5.6	118 ± 10.7	115 ± 5.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	484 ± 9.6	520 ± 8.0			
Positive Control <sup>3</sup>			839 ± 28.5	498 ± 19.2	1526 ± 17.3

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	92 ± 4.5
100.0	108 ± 5.2
333.3	114 ± 10.7
1000.0	96 ± 1.8
3333.3	107 ± 7.6
10000.0	100 ± 8.1
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	1511 ± 44.1

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	11 ± 2.2	29 ± 4.6	6 ± 1.5	15 ± 2.0	12 ± 2.4
100.0	17 ± 2.0	22 ± 4.5	9 ± 1.7	20 ± 3.4	10 ± 1.0
333.3	16 ± 1.7	26 ± 0.6	10 ± 2.2	16 ± 2.4	12 ± 2.0
1000.0	15 ± 2.3	23 ± 2.4	12 ± 3.0	15 ± 3.5	14 ± 2.0
3333.3	17 ± 0.7	20 ± 0.7	8 ± 2.0	15 ± 1.5	11 ± 2.3
10000.0	15 ± 2.8	27 ± 2.2	15 ± 7.3	16 ± 1.7	10 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	413 ± 7.4	433 ± 9.9			
Positive Control <sup>4</sup>			151 ± 1.5	210 ± 6.0	258 ± 6.2

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G06: Ames Summary Data  
Test Compound: Di-n-butylamine  
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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 1.8
100.0	16 ± 1.5
333.3	19 ± 1.2
1000.0	10 ± 2.2
3333.3	17 ± 1.8
10000.0	10 ± 1.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	401 ± 10.6

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Test Type: Genetic Toxicology - Bacterial  
Mutagenicity**G06: Ames Summary Data**

Test Compound: Di-n-butylamine

CAS Number: 111-92-2

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**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	9 ± 0.3	9 ± 1.5	10 ± 2.0	16 ± 1.8	7 ± 1.0
100.0	7 ± 1.2	8 ± 0.6	7 ± 0.0	18 ± 2.7	10 ± 1.2
333.3	8 ± 1.0	11 ± 1.0	7 ± 0.9	12 ± 1.7	16 ± 1.0
1000.0	8 ± 1.2	6 ± 1.2	9 ± 1.3	18 ± 1.3	17 ± 3.9
3333.3	11 ± 1.7	8 ± 0.3	7 ± 2.5	12 ± 2.1	11 ± 1.9
10000.0	8 ± 2.0	12 ± 2.3	7 ± 2.0	14 ± 4.0	16 ± 3.6
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control <sup>4</sup>			313 ± 37.0	157 ± 4.2	308 ± 21.4
Positive Control <sup>5</sup>	178 ± 18.6	286 ± 38.5			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	20 ± 0.6
100.0	14 ± 1.5
333.3	20 ± 3.2
1000.0	17 ± 1.3
3333.3	14 ± 2.5
10000.0	12 ± 2.7
Trial Summary	Negative
Positive Control <sup>4</sup>	281 ± 16.3
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: Di-n-butylamine

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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 <sup>1</sup>	36 ± 5.2	37 ± 1.3	44 ± 2.6	44 ± 2.3	40 ± 4.3
100.0	39 ± 1.7	23 ± 1.7	41 ± 2.3	37 ± 2.0	41 ± 0.9
333.3	36 ± 9.1	40 ± 6.1	46 ± 2.7	28 ± 4.6	44 ± 0.9
1000.0	35 ± 3.1	24 ± 2.9	38 ± 0.7	36 ± 3.5	44 ± 2.3
3333.3	39 ± 7.4	28 ± 1.2	37 ± 3.7	35 ± 1.8	36 ± 2.0
10000.0	30 ± 4.8	34 ± 3.3	31 ± 1.0	31 ± 1.9	32 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			839 ± 12.5	570 ± 53.5	1208 ± 12.7
Positive Control <sup>6</sup>	436 ± 30.4	472 ± 14.2			

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**G06: Ames Summary Data**

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	47 ± 4.5
100.0	47 ± 2.9
333.3	46 ± 2.5
1000.0	38 ± 0.6
3333.3	34 ± 2.7
10000.0	39 ± 0.9
Trial Summary	Negative
Positive Control <sup>3</sup>	1391 ± 32.4
Positive Control <sup>6</sup>	

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### **LEGEND**

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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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**\*\* END OF REPORT \*\***