

Experiment Number: 718815

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

G06: Ames Summary Data

Test Compound: **Diisobutylamine**

CAS Number: **110-96-3**

Date Report Requested: **09/12/2018**

Time Report Requested: **00:41:15**

NTP Study Number:

718815

Study Result:

Negative

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

Test Compound: Diisobutylamine

CAS Number: 110-96-3

Date Report Requested: 09/12/2018

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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	135 ± 2.9	82 ± 4.8	193 ± 5.2	124 ± 10.4	214 ± 2.7
100.0	138 ± 11.3	84 ± 6.1	199 ± 8.5	102 ± 5.0	202 ± 16.2
333.0	134 ± 2.3	91 ± 4.5	192 ± 6.7	116 ± 12.5	201 ± 14.7
1000.0	134 ± 7.9	91 ± 2.2	203 ± 1.2	98 ± 2.1	187 ± 15.0
3333.0	145 ± 2.2	88 ± 7.6	197 ± 2.6	113 ± 3.5	208 ± 14.8
10000.0	133 ± 2.6	92 ± 5.6	202 ± 8.4	124 ± 8.0	173 ± 8.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2147 ± 100.6	1596 ± 90.3	1189 ± 120.3
Positive Control ³	1303 ± 71.4	770 ± 68.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	140 ± 14.4
100.0	134 ± 11.6
333.0	117 ± 7.8
1000.0	104 ± 6.8
3333.0	96 ± 6.2
10000.0	95 ± 0.3
Trial Summary	Negative
Positive Control ²	1512 ± 88.7
Positive Control ³	

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Test Compound: Diisobutylamine

CAS Number: 110-96-3

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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	6 ± 0.6	6 ± 1.0	11 ± 3.0	10 ± 1.2	12 ± 2.0
100.0	6 ± 0.0	6 ± 0.9	10 ± 1.2	8 ± 0.9	13 ± 1.3
333.0	7 ± 2.4	9 ± 3.2	6 ± 0.3	7 ± 3.2	9 ± 2.5
1000.0	6 ± 0.9	5 ± 0.3	7 ± 2.0	4 ± 1.3	8 ± 1.2
3333.0	5 ± 0.6	5 ± 1.2	7 ± 1.2	6 ± 0.9	5 ± 1.5
10000.0	4 ± 1.0	5 ± 0.9	6 ± 1.5	6 ± 1.5	9 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			141 ± 12.9	176 ± 23.1	275 ± 23.4
Positive Control ³	960 ± 20.1	817 ± 53.8			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.5
100.0	9 ± 2.6
333.0	12 ± 3.0
1000.0	8 ± 0.0
3333.0	9 ± 3.1
10000.0	11 ± 1.5
Trial Summary	Negative
Positive Control ⁴	283 ± 26.2
Positive Control ³	

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Test Compound: Diisobutylamine

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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	9 ± 1.8	3 ± 1.0	28 ± 2.0	5 ± 1.8	28 ± 2.9
100.0	10 ± 1.8	3 ± 0.3	16 ± 4.5	7 ± 2.0	18 ± 2.9
333.0	8 ± 2.3	2 ± 0.3	21 ± 3.1	8 ± 0.3	18 ± 2.0
1000.0	10 ± 1.5	4 ± 1.2	21 ± 1.2	5 ± 0.3	14 ± 1.9
3333.0	9 ± 3.2	2 ± 1.5	14 ± 1.2	5 ± 0.6	15 ± 3.6
10000.0	7 ± 2.6	2 ± 0.9	14 ± 2.3	4 ± 0.9	17 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			163 ± 33.3	237 ± 15.2	239 ± 4.3
Positive Control ⁵	400 ± 147.2	151 ± 46.4			

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

Test Compound: Diisobutylamine

CAS Number: 110-96-3

Date Report Requested: 09/12/2018

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.6
100.0	5 ± 0.7
333.0	5 ± 1.0
1000.0	7 ± 1.9
3333.0	5 ± 1.5
10000.0	4 ± 0.6
Trial Summary	Negative
Positive Control ⁴	163 ± 17.0
Positive Control ⁵	

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Test Type: Genetic Toxicology - Bacterial
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Test Compound: Diisobutylamine

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Date Report Requested: 09/12/2018

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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	22 ± 1.9	18 ± 2.3	39 ± 0.9	18 ± 2.6	44 ± 3.0
100.0	26 ± 0.9	20 ± 2.3	42 ± 2.2	18 ± 2.0	43 ± 4.9
333.0	25 ± 2.1	22 ± 3.0	48 ± 3.1	18 ± 2.6	49 ± 0.9
1000.0	26 ± 1.2	22 ± 1.0	38 ± 2.2	23 ± 0.9	47 ± 4.7
3333.0	22 ± 1.7	16 ± 4.2	38 ± 2.0	19 ± 3.6	38 ± 4.8
10000.0	27 ± 0.3	20 ± 2.5	41 ± 3.8	16 ± 2.1	34 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			984 ± 174.1	878 ± 71.1	1867 ± 67.8
Positive Control ⁶	206 ± 10.4	272 ± 15.4			

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Test Compound: **Diisobutylamine**

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Date Report Requested: **09/12/2018**

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 8.1
100.0	18 ± 1.2
333.0	17 ± 2.2
1000.0	18 ± 1.5
3333.0	21 ± 5.6
10000.0	22 ± 3.7
Trial Summary	Negative
Positive Control ²	1055 ± 83.9
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 ****