

Experiment Number: 701815

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

G06: Ames Summary Data

Test Compound: **Di-n-amylamine**

CAS Number: **2050-92-2**

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

Time Report Requested: **12:33:05**

NTP Study Number:

701815

Study Result:

Negative

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CAS Number: 2050-92-2

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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	133 ± 7.5	82 ± 4.2	201 ± 11.1	173 ± 6.3	215 ± 17.0
100.0	127 ± 9.1	89 ± 4.0	186 ± 5.9	155 ± 9.6	206 ± 8.6
333.0	147 ± 5.2	82 ± 4.0	202 ± 2.7	151 ± 4.2	193 ± 9.5
1000.0	112 ± 6.3	76 ± 5.8	200 ± 11.0	145 ± 1.8	212 ± 5.4
3333.0	132 ± 3.5	72 ± 10.3	191 ± 6.6	143 ± 3.9	219 ± 4.6
10000.0	Toxic	Toxic	197 ± 15.0	162 ± 6.7	230 ± 32.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			895 ± 114.5	2680 ± 92.2	839 ± 178.3
Positive Control ³	1362 ± 12.3	504 ± 24.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	159 ± 2.5
100.0	152 ± 7.5
333.0	154 ± 6.4
1000.0	150 ± 5.2
3333.0	146 ± 11.8
10000.0	170 ± 8.1
Trial Summary	Negative
Positive Control ²	1038 ± 27.8
Positive Control ³	

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Test Compound: Di-n-amylamine

CAS Number: 2050-92-2

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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	13 ± 0.3	16 ± 2.7	12 ± 1.8	17 ± 1.0	17 ± 2.9
33.0		17 ± 4.3			
100.0	13 ± 0.7	21 ± 4.1	11 ± 0.3	22 ± 2.2	13 ± 1.7
333.0	12 ± 1.2	21 ± 2.5	10 ± 0.7	21 ± 4.5	10 ± 1.8
1000.0	10 ± 1.2	16 ± 2.4	11 ± 1.5	27 ± 2.7	13 ± 1.7
3333.0	7 ± 1.5	17 ± 1.0	8 ± 1.2	24 ± 3.1	12 ± 2.1
10000.0	Toxic		6 ± 0.9	13 ± 0.9	5 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			478 ± 13.1	606 ± 8.0	501 ± 33.2
Positive Control ³	1588 ± 17.6	738 ± 14.8			

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Test Compound: Di-n-amylamine
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 1.7
33.0	
100.0	32 ± 0.7
333.0	32 ± 1.2
1000.0	29 ± 3.2
3333.0	22 ± 1.2
10000.0	23 ± 1.5
Trial Summary	Negative
Positive Control ⁴	260 ± 14.9
Positive Control ³	

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Di-n-amylamine

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Date Report Requested: 09/12/2018

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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	6 ± 0.7	12 ± 2.3	10 ± 1.2	19 ± 3.2	11 ± 2.0
33.0		11 ± 1.2			
100.0	7 ± 2.7	13 ± 1.2	10 ± 0.3	26 ± 1.2	10 ± 1.2
333.0	8 ± 1.2	10 ± 1.2	8 ± 0.6	18 ± 0.7	13 ± 2.9
1000.0	8 ± 1.7	11 ± 0.7	9 ± 1.0	19 ± 3.2	11 ± 1.2
3333.0	6 ± 0.3	6 ± 1.7	10 ± 1.2	18 ± 2.1	10 ± 1.7
10000.0	0 ± 0.0		1 ± 0.6	15 ± 3.3	1 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			349 ± 22.0	105 ± 12.2	284 ± 5.5
Positive Control ⁵	974 ± 166.0	163 ± 34.6			

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Test Compound: Di-n-amylamine
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Date Report Requested: 09/12/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 2.3
33.0	
100.0	14 ± 1.0
333.0	13 ± 1.5
1000.0	11 ± 1.3
3333.0	11 ± 1.0
10000.0	8 ± 2.0
Trial Summary	Negative
Positive Control ⁴	165 ± 4.1
Positive Control ⁵	

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Test Compound: Di-n-amylamine

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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	16 ± 1.2	30 ± 3.8	21 ± 2.3	34 ± 0.9	25 ± 5.9
100.0	15 ± 2.4	23 ± 1.5	18 ± 2.3	40 ± 3.2	20 ± 2.0
333.0	12 ± 2.6	29 ± 3.6	23 ± 1.0	31 ± 2.5	25 ± 0.9
1000.0	16 ± 0.7	27 ± 3.9	16 ± 2.3	36 ± 3.5	18 ± 3.5
3333.0	19 ± 1.9	27 ± 8.0	22 ± 1.8	29 ± 4.5	19 ± 0.6
10000.0	11 ± 2.0	17 ± 0.6	18 ± 2.3	24 ± 2.9	17 ± 4.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			439 ± 36.6	2009 ± 70.2	768 ± 27.5
Positive Control ⁶	142 ± 15.6	286 ± 7.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	36 ± 1.3
100.0	29 ± 4.8
333.0	27 ± 4.1
1000.0	23 ± 4.2
3333.0	20 ± 2.7
10000.0	24 ± 2.1
Trial Summary	Negative
Positive Control ²	667 ± 33.7
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: 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 ****