

Experiment Number: 305777

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

**G06: Ames Summary Data**

Test Compound: **Diisopropanolamine**

CAS Number: **110-97-4**

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

Time Report Requested: **03:22:41**

**NTP Study Number:**

305777

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: Diisopropanolamine

CAS Number: 110-97-4

Date Report Requested: 09/12/2018

Time Report Requested: 03:22:41

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	162 ± 9.8	128 ± 2.6	115 ± 8.7	109 ± 8.9	113 ± 6.0
100.0	169 ± 13.0	120 ± 7.8	97 ± 2.2	123 ± 4.1	86 ± 6.4
333.0	180 ± 7.5	125 ± 5.1	122 ± 11.0	124 ± 4.1	100 ± 5.0
1000.0	175 ± 6.6	129 ± 5.5	108 ± 5.0	123 ± 2.5	115 ± 8.5
3333.0	164 ± 6.7	115 ± 7.2	122 ± 14.0	123 ± 8.4	102 ± 0.6
10000.0	160 ± 5.6 <sup>s</sup>	112 ± 5.9 <sup>s</sup>	133 ± 7.3 <sup>s</sup>	128 ± 3.8 <sup>s</sup>	144 ± 12.1 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1198 ± 46.4
Positive Control <sup>3</sup>			1821 ± 72.7	567 ± 58.9	
Positive Control <sup>4</sup>	1453 ± 7.6	1280 ± 75.4			

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Test Compound: **Diisopropanolamine**

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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>	123 ± 5.6
100.0	121 ± 7.5
333.0	119 ± 9.3
1000.0	100 ± 0.9
3333.0	105 ± 8.0
10000.0	127 ± 1.9 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	1299 ± 68.2
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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

Test Compound: Diisopropanolamine

CAS Number: 110-97-4

Date Report Requested: 09/12/2018

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	64 ± 4.5	24 ± 1.2	27 ± 2.3	11 ± 2.1	14 ± 4.6
100.0	51 ± 8.1	22 ± 2.4	27 ± 5.5	9 ± 1.3	10 ± 1.5
333.0	39 ± 4.4	24 ± 1.0	25 ± 2.6	10 ± 1.0	8 ± 0.9
1000.0	50 ± 4.7	27 ± 4.7	27 ± 0.9	12 ± 3.4	12 ± 2.2
3333.0	36 ± 4.7	18 ± 1.9	28 ± 2.4	12 ± 2.3	10 ± 1.9
10000.0	28 ± 4.3 <sup>s</sup>	12 ± 1.2 <sup>s</sup>	7 ± 2.9 <sup>s</sup>	22 ± 2.6 <sup>s</sup>	14 ± 1.5 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>2</sup>					
Positive Control <sup>3</sup>				143 ± 10.3	151 ± 7.1
Positive Control <sup>4</sup>	1287 ± 27.7	1228 ± 29.6	736 ± 47.3		

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**G06: Ames Summary Data**

Test Compound: Diisopropanolamine

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	9 ± 2.1	11 ± 0.7
100.0	9 ± 2.0	11 ± 1.5
333.0	12 ± 1.2	7 ± 1.9
1000.0	11 ± 0.3	11 ± 0.9
3333.0	15 ± 0.7	9 ± 0.9
10000.0	24 ± 2.2 <sup>s</sup>	15 ± 0.6 <sup>s</sup>
Trial Summary	Equivocal	Negative
Positive Control <sup>2</sup>	160 ± 15.0	161 ± 1.9
Positive Control <sup>3</sup>		
Positive Control <sup>4</sup>		

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## G06: Ames Summary Data

Test Compound: Diisopropanolamine

CAS Number: 110-97-4

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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 <sup>1</sup>	9 ± 1.5	7 ± 0.3	7 ± 2.6	5 ± 1.3	5 ± 1.8
100.0	6 ± 1.2	4 ± 0.7	8 ± 1.2	5 ± 2.0	7 ± 1.5
333.0	8 ± 2.0	5 ± 1.0	5 ± 1.2	4 ± 1.3	6 ± 0.9
1000.0	8 ± 0.7	4 ± 1.2	7 ± 1.5	8 ± 1.2	7 ± 0.7
3333.0	6 ± 0.9	6 ± 3.6	7 ± 1.2	7 ± 2.0	8 ± 3.0
10000.0	7 ± 1.7 <sup>s</sup>	Toxic	5 ± 1.9 <sup>s</sup>	7 ± 1.0 <sup>s</sup>	10 ± 0.9 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					
Positive Control <sup>5</sup>					117 ± 8.7
Positive Control <sup>3</sup>			161 ± 8.9	98 ± 6.8	
Positive Control <sup>6</sup>	375 ± 89.7	536 ± 36.7			

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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>	8 ± 1.2
100.0	5 ± 0.9
333.0	9 ± 0.3
1000.0	7 ± 1.5
3333.0	9 ± 1.7
10000.0	5 ± 0.6 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	130 ± 3.8
Positive Control <sup>5</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	

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## G06: Ames Summary Data

Test Compound: Diisopropanolamine

CAS Number: 110-97-4

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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>	17 ± 3.4	18 ± 2.8	25 ± 2.9	29 ± 0.9	30 ± 3.5
100.0	19 ± 0.9	17 ± 1.8	28 ± 1.2	31 ± 1.7	26 ± 3.5
333.0	20 ± 2.1	16 ± 2.1	33 ± 3.6	29 ± 1.5	26 ± 2.7
1000.0	19 ± 2.0	18 ± 3.2	29 ± 2.5	27 ± 1.7	25 ± 0.9
3333.0	25 ± 1.5	14 ± 0.9	24 ± 2.6	29 ± 2.1	23 ± 3.2
10000.0	18 ± 1.2 <sup>s</sup>	14 ± 1.3 <sup>s</sup>	23 ± 3.7 <sup>s</sup>	23 ± 3.5 <sup>s</sup>	29 ± 4.7 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					957 ± 14.7
Positive Control <sup>3</sup>			1221 ± 43.7	866 ± 14.9	
Positive Control <sup>7</sup>	1590 ± 5.4	928 ± 22.7			



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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>	27 ± 3.0
100.0	23 ± 3.5
333.0	27 ± 0.3
1000.0	25 ± 2.4
3333.0	32 ± 2.0
10000.0	28 ± 2.1 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	932 ± 31.7
Positive Control <sup>3</sup>	
Positive Control <sup>7</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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 0.75 ug/Plate Sodium Azide

6: 80.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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