

Experiment Number: **G07051**

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

**G06: Ames Summary Data**

Test Compound: **Dimethylamine Borane**

CAS Number: **74-94-2**

Date Report Requested: **09/15/2018**

Time Report Requested: **22:10:11**

**NTP Study Number:**

G07051

**Study Result:**

Weakly Positive

Experiment Number: G07051

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Dimethylamine Borane

CAS Number: 74-94-2

Date Report Requested: 09/15/2018

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	119 ± 6.8	118 ± 3.0	128 ± 7.3	108 ± 2.5
125.0	118 ± 7.6	134 ± 6.6	131 ± 7.8	124 ± 3.5
250.0	113 ± 9.8	130 ± 13.6	108 ± 2.3	131 ± 1.5
500.0	121 ± 3.8	121 ± 5.7	111 ± 3.8	117 ± 4.9
1500.0	135 ± 5.5	141 ± 3.5	131 ± 11.3	131 ± 25.9
3000.0	164 ± 5.8	175 ± 11.3	111 ± 2.4	138 ± 11.1
6000.0	202 ± 2.5	208 ± 6.7	122 ± 4.0	143 ± 12.3
Trial Summary	Weakly Positive	Weakly Positive	Negative	Negative
Positive Control <sup>2</sup>	762 ± 12.7	821 ± 40.5		
Positive Control <sup>3</sup>			2449 ± 96.7	2593 ± 60.2

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	30 ± 2.8	30 ± 5.3	35 ± 2.5	39 ± 3.7
125.0	29 ± 1.8	33 ± 2.9	37 ± 1.5	36 ± 1.9
250.0	27 ± 3.7	34 ± 5.2	43 ± 5.8	33 ± 4.5
500.0	31 ± 2.4	31 ± 4.2	46 ± 3.4	41 ± 6.0
1500.0	26 ± 3.5	28 ± 4.0	35 ± 1.5	30 ± 2.4
3000.0	27 ± 3.5	29 ± 3.7	36 ± 3.6	28 ± 5.2
6000.0	33 ± 3.5	31 ± 3.6	40 ± 4.8	39 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			1976 ± 83.0	1990 ± 70.6
Positive Control <sup>5</sup>	540 ± 5.2	831 ± 48.6		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	181 ± 13.0	179 ± 10.1	179 ± 21.3	184 ± 13.9
125.0	208 ± 12.1	183 ± 11.9	243 ± 6.8	241 ± 5.4
250.0	206 ± 4.7	195 ± 7.2	273 ± 11.2	248 ± 7.1
500.0	216 ± 6.9	223 ± 8.7	289 ± 12.5	270 ± 6.0
1500.0	256 ± 5.5	223 ± 16.8	293 ± 19.5	270 ± 15.6
3000.0	266 ± 16.6	227 ± 17.3	300 ± 21.6	280 ± 16.0
6000.0	268 ± 5.9	243 ± 6.9	291 ± 10.7	283 ± 6.7
Trial Summary	Weakly Positive	Negative	Weakly Positive	Weakly Positive
Positive Control <sup>6</sup>			1245 ± 30.2	1465 ± 19.9
Positive Control <sup>7</sup>	1269 ± 20.3	1019 ± 0.7		

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**G06: Ames Summary Data**

Test Compound: **Dimethylamine Borane**

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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: Distilled Water

2: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 20.0 ug/Plate 2-Aminoanthracene

7: 100.0 ug/Plate Methyl Methane Sulfonate

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