

Experiment Number: **A72050**

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

G06: Ames Summary Data

Test Compound: **Diethylamine**

CAS Number: **109-89-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **18:48:12**

NTP Study Number:

A72050

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	61 ± 4.0	51 ± 6.0	56 ± 4.4	84 ± 2.6
50.0	63 ± 6.6	65 ± 2.1	51 ± 6.4	90 ± 6.7
100.0	55 ± 2.1	63 ± 7.0	66 ± 0.9	105 ± 10.3
250.0		64 ± 1.9		
500.0	54 ± 3.3	48 ± 4.0	57 ± 4.0	90 ± 4.3
750.0		55 ± 4.7		
1000.0	Toxic		47 ± 5.8	76 ± 0.9
2000.0	Toxic		63 ± 8.5	83 ± 7.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	553 ± 13.8	609 ± 28.8		
Positive Control ³			609 ± 29.4	768 ± 36.1

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	20 ± 0.7	20 ± 2.4	30 ± 0.9	25 ± 2.7
50.0	17 ± 1.2	17 ± 1.2	40 ± 2.4	27 ± 1.9
100.0	19 ± 0.3	15 ± 1.0	29 ± 2.0	22 ± 1.5
250.0		12 ± 3.7		
500.0	24 ± 1.2	13 ± 2.3	38 ± 2.1	29 ± 3.8
750.0		13 ± 0.9		
1000.0	Toxic		36 ± 4.0	19 ± 2.1
2000.0	Toxic		27 ± 0.9	25 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			752 ± 58.3	1137 ± 18.8
Positive Control ⁴	417 ± 14.8	572 ± 8.4		

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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 ¹	122 ± 6.7	132 ± 9.1	139 ± 3.3	157 ± 2.4
50.0	132 ± 9.1	186 ± 13.9	155 ± 5.5	
100.0	158 ± 12.5	152 ± 14.2	172 ± 10.5	
500.0	140 ± 3.3	136 ± 4.6	151 ± 5.0	201 ± 11.9
1000.0	67 ± 0.3	105 ± 4.8	161 ± 7.2	199 ± 30.6
1500.0		150 ± 12.2		
2000.0	0 ± 0.0	18 ± 8.6	178 ± 14.4	182 ± 4.6
3000.0				110 ± 8.5
4000.0				0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			711 ± 30.7	734 ± 6.9
Positive Control ⁶	812 ± 14.4	1101 ± 54.8		

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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 Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

** END OF REPORT **