

Experiment Number: A41919

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/17/2018

Time Report Requested: 00:02:15

NTP Study Number:

A41919

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	87 ± 4.7	111 ± 7.1	83 ± 5.2	74 ± 2.6
50.0	87 ± 6.2	105 ± 9.7		
100.0	83 ± 3.8	110 ± 2.7	80 ± 2.1	71 ± 6.2
250.0	74 ± 8.7	104 ± 2.1		
500.0	66 ± 7.6	61 ± 3.7	78 ± 5.5	68 ± 2.6
750.0	2 ± 0.9	0 ± 0.0	46 ± 3.6	65 ± 1.5
1000.0			42 ± 4.3	39 ± 6.4
1500.0			0 ± 0.0	1 ± 0.9
2500.0				
3500.0				
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	464 ± 11.7	611 ± 10.7		
Positive Control ³			925 ± 39.6	905 ± 19.0

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	21 ± 2.2	25 ± 0.9	27 ± 2.1	34 ± 3.2
50.0	23 ± 3.7	24 ± 2.4		
100.0	19 ± 3.2	24 ± 4.3	25 ± 2.1	30 ± 1.0
250.0	19 ± 2.3	24 ± 1.0		
500.0	17 ± 1.2	31 ± 0.3	27 ± 2.9	41 ± 0.9
750.0	0 ± 0.0	0 ± 0.3	27 ± 3.8	28 ± 2.5
1000.0			26 ± 1.5	23 ± 4.5
1500.0			5 ± 0.7	2 ± 0.3
2500.0				
3500.0				
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			757 ± 39.6	1025 ± 74.2
Positive Control ⁴	410 ± 4.7	651 ± 30.7		

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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	With 10% Rat S9
Vehicle Control ¹	154 ± 6.1	178 ± 4.9	175 ± 10.3	208 ± 6.2	217 ± 5.5
50.0	159 ± 6.7	222 ± 15.6			
100.0	158 ± 13.7	237 ± 13.7	165 ± 3.2	199 ± 10.5	210 ± 7.2
250.0	122 ± 3.5	189 ± 4.7			
500.0	103 ± 6.2	155 ± 4.4	199 ± 11.5	189 ± 11.6	193 ± 8.6
750.0	0 ± 0.0	0 ± 0.0		187 ± 11.1	172 ± 7.6
1000.0				155 ± 7.5	148 ± 11.6
1500.0			Toxic	124 ± 8.3	118 ± 4.4
2500.0			Toxic		
3500.0			0 ± 0.0		
Trial Summary	Negative	Negative	No Call	Negative	Negative
Positive Control ⁵			1073 ± 7.4	926 ± 39.9	1160 ± 33.4
Positive Control ⁶	1406 ± 44.7	1912 ± 10.7			

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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 ****