

Experiment Number: **G11424**

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

G06: Ames Summary Data

Test Compound: **m-Toluidine**

CAS Number: **108-44-1**

Date Report Requested: **09/16/2018**

Time Report Requested: **03:26:23**

NTP Study Number:

G11424

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	90 ± 1.5	105 ± 5.5	95 ± 4.2	93 ± 1.2
100.0	99 ± 2.6	104 ± 2.9	91 ± 3.0	86 ± 4.0
250.0	97 ± 9.4	103 ± 6.2	88 ± 3.8	70 ± 9.7
500.0	99 ± 3.3	113 ± 6.2	85 ± 9.0	90 ± 3.8
1500.0	102 ± 12.1	103 ± 2.7	97 ± 8.8	94 ± 3.8
3000.0	76 ± 9.8	80 ± 1.9	87 ± 5.2	85 ± 5.5
6000.0	Toxic	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	991 ± 30.0	883 ± 19.2		
Positive Control ³			2844 ± 81.6	2208 ± 37.0

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	23 ± 4.0	19 ± 1.8	28 ± 3.3	29 ± 1.2
100.0	23 ± 5.2	23 ± 1.8	26 ± 4.0	29 ± 3.4
250.0	15 ± 0.7	15 ± 2.0	31 ± 0.3	23 ± 2.0
500.0	19 ± 5.0	19 ± 1.9	28 ± 4.4	29 ± 2.4
1500.0	21 ± 3.8	16 ± 2.1	37 ± 6.7	27 ± 3.9
3000.0	24 ± 3.2	15 ± 3.0	23 ± 0.0	28 ± 2.7
6000.0	Toxic	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1293 ± 43.8	1441 ± 22.5
Positive Control ⁵	483 ± 2.3	619 ± 26.5		

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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	118 ± 12.0	116 ± 6.0	165 ± 10.6	158 ± 5.8
100.0	128 ± 2.5	115 ± 9.0	157 ± 3.8	158 ± 6.4
250.0	118 ± 5.3	123 ± 1.5	180 ± 3.9	158 ± 3.0
500.0	120 ± 2.3	102 ± 7.3	167 ± 12.2	146 ± 2.5
1500.0	103 ± 6.0	118 ± 9.0	150 ± 11.3	147 ± 4.6
3000.0	122 ± 1.8	132 ± 6.5	160 ± 6.3	137 ± 3.8
6000.0	42 ± 29.0 ^s	Toxic	112 ± 16.5 ^s	83 ± 43.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1234 ± 17.3	913 ± 17.0
Positive Control ⁷	1118 ± 11.5	1171 ± 36.1		

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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: 1.0 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
- s: Slight Toxicity

**** END OF REPORT ****