

Experiment Number: 858045

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: m-Anisidine

CAS Number: 536-90-3

Date Report Requested: 09/16/2018

Time Report Requested: 13:02:24

NTP Study Number:

858045

Study Result:

Weakly Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	141 ± 12.0	153 ± 4.7	151 ± 14.2	144 ± 2.6	131 ± 7.7
100.0	152 ± 2.8	159 ± 8.2	162 ± 7.7	149 ± 16.8	136 ± 14.4
333.0	152 ± 11.7	148 ± 6.8	155 ± 19.5	173 ± 5.5	149 ± 10.7
1000.0	123 ± 7.4	156 ± 3.5	144 ± 15.0	166 ± 6.2	169 ± 4.8
3333.0	144 ± 3.7	176 ± 3.9	162 ± 2.2	163 ± 16.1	186 ± 10.6
6666.0	133 ± 7.5				
10000.0		124 ± 12.4	141 ± 9.8	143 ± 10.5	143 ± 9.3
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²				1072 ± 31.6	827 ± 36.0
Positive Control ³					
Positive Control ⁴	414 ± 6.0				
Positive Control ⁵		421 ± 9.1	334 ± 20.5		

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	159 ± 4.1	147 ± 4.2
100.0	179 ± 5.9	167 ± 4.0
333.0	185 ± 6.9	177 ± 13.5
1000.0	212 ± 3.0	192 ± 8.9
3333.0	217 ± 10.0	204 ± 18.9
6666.0		
10000.0	201 ± 17.7	217 ± 8.1
Trial Summary	Equivocal	Weakly Positive
Positive Control ²		
Positive Control ³	491 ± 45.0	645 ± 40.0
Positive Control ⁴		
Positive Control ⁵		

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Strain: TA1535

Dose (ug/Plate)	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.7	10 ± 2.4	9 ± 2.8
100.0	9 ± 1.9	11 ± 1.7	15 ± 0.6
333.0	12 ± 1.0	11 ± 3.3	15 ± 2.2
1000.0	8 ± 0.9	11 ± 0.7	11 ± 0.3
3333.0	4 ± 2.8	9 ± 1.7	9 ± 1.3
10000.0	7 ± 1.9	11 ± 2.1	10 ± 2.3
Trial Summary	Negative	Negative	Negative
Positive Control ³	121 ± 9.6		
Positive Control ⁵		124 ± 10.2	291 ± 47.0

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	29 ± 1.2	41 ± 0.9	30 ± 2.6
100.0	27 ± 1.5	47 ± 2.7	30 ± 5.5
333.0	24 ± 1.8	42 ± 3.1	29 ± 1.2
1000.0	21 ± 3.3	37 ± 5.0	45 ± 4.7
3333.0	23 ± 2.5	44 ± 5.0	40 ± 4.8
6666.0	17 ± 1.8		
10000.0		46 ± 5.2	40 ± 4.1
Trial Summary	Negative	Negative	Negative
Positive Control ³		89 ± 4.1	341 ± 30.4
Positive Control ⁶	709 ± 22.2		

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G06: Ames Summary Data

Test Compound: **m-Anisidine**

CAS Number: **536-90-3**

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****