

Experiment Number: 991373

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

G06: Ames Summary Data

Test Compound: **m-Anisidine**

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

Date Report Requested: **09/18/2018**

Time Report Requested: **07:59:21**

NTP Study Number:

991373

Study Result:

Negative

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Mutagenicity**G06: Ames Summary Data**

Test Compound: m-Anisidine

CAS Number: 536-90-3

Date Report Requested: 09/18/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	240 ± 5.4	116 ± 19.3	280 ± 18.8	148 ± 20.5	278 ± 8.8
33.0		138 ± 8.7		163 ± 14.5	
100.0		140 ± 2.7		153 ± 4.7	
333.0	218 ± 9.4	141 ± 8.4	257 ± 7.1	140 ± 2.6	264 ± 2.0
1000.0	215 ± 5.1	143 ± 3.2	235 ± 4.9	164 ± 6.8	293 ± 3.5
3333.0	183 ± 1.7	120 ± 5.9	211 ± 20.6	176 ± 11.9	194 ± 8.2
10000.0	147 ± 1.5		239 ± 11.9		259 ± 1.7
11030.0	148 ± 15.0		248 ± 18.2		206 ± 7.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1794 ± 50.2	1963 ± 146.2	2337 ± 47.0
Positive Control ³	960 ± 10.3	867 ± 19.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	152 ± 5.5
33.0	162 ± 8.5
100.0	168 ± 8.1
333.0	175 ± 12.5
1000.0	165 ± 4.4
3333.0	172 ± 20.3
10000.0	
11030.0	
Trial Summary	Negative
Positive Control ²	2180 ± 21.7
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 0.7	7 ± 3.0	13 ± 1.5	7 ± 2.8	11 ± 1.5
33.0		8 ± 2.0		5 ± 1.0	
100.0		6 ± 0.3		6 ± 1.5	
333.0	8 ± 0.3	6 ± 2.3	8 ± 0.6	4 ± 0.3	10 ± 1.5
1000.0	9 ± 1.7	4 ± 0.7	16 ± 0.3	7 ± 1.5	16 ± 0.3
3333.0	11 ± 1.2	5 ± 1.5	11 ± 0.3	7 ± 0.7	13 ± 0.3
10000.0	Toxic		8 ± 2.9		9 ± 0.6
11030.0	Toxic		11 ± 1.2		10 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			110 ± 7.2	49 ± 6.8	272 ± 33.3
Positive Control ³	1032 ± 11.4	640 ± 17.5			

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G06: Ames Summary Data
Test Compound: m-Anisidine
CAS Number: 536-90-3

Date Report Requested: 09/18/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.8
33.0	6 ± 2.3
100.0	9 ± 1.7
333.0	8 ± 0.0
1000.0	8 ± 2.0
3333.0	8 ± 0.9
10000.0	
11030.0	
Trial Summary	Negative
Positive Control ²	129 ± 4.3
Positive Control ³	

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Mutagenicity**G06: Ames Summary Data**

Test Compound: m-Anisidine

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.7	8 ± 1.2	12 ± 1.0	14 ± 1.3	15 ± 0.9
33.0		10 ± 1.5		15 ± 0.6	
100.0		7 ± 1.5		18 ± 1.2	
333.0	11 ± 0.6	10 ± 2.5	14 ± 1.2	15 ± 0.7	15 ± 0.3
1000.0	8 ± 0.9	9 ± 0.9	10 ± 0.0	13 ± 0.6	14 ± 0.3
3333.0	8 ± 1.5	9 ± 0.6	18 ± 1.2	22 ± 3.5	15 ± 0.3
10000.0	Toxic		12 ± 2.3		8 ± 0.9
11030.0	Toxic		16 ± 1.8		5 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			110 ± 5.7	375 ± 10.3	218 ± 5.8
Positive Control ⁴	249 ± 74.5	682 ± 7.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 2.6
33.0	13 ± 3.3
100.0	17 ± 1.8
333.0	15 ± 1.8
1000.0	14 ± 1.5
3333.0	14 ± 3.2
10000.0	
11030.0	
Trial Summary	Negative
Positive Control ²	393 ± 6.7
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 1.7	19 ± 1.0	29 ± 2.5	24 ± 2.3	29 ± 2.1
33.0		16 ± 2.3		24 ± 0.9	
100.0		16 ± 3.2		21 ± 2.8	
333.0	21 ± 2.1	15 ± 0.6	27 ± 3.3	23 ± 3.0	31 ± 0.7
1000.0	22 ± 1.5	15 ± 1.2	29 ± 0.7	20 ± 4.7	28 ± 2.3
3333.0	19 ± 1.2	15 ± 0.3	27 ± 1.3	17 ± 2.7	23 ± 2.3
10000.0	26 ± 3.2		20 ± 1.0		33 ± 0.9
11030.0	Toxic		25 ± 0.9		27 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1352 ± 13.6	1714 ± 14.1	2124 ± 21.9
Positive Control ⁵	553 ± 17.7	873 ± 11.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	29 ± 4.4
33.0	27 ± 1.5
100.0	21 ± 2.7
333.0	27 ± 2.2
1000.0	20 ± 3.8
3333.0	22 ± 1.8
10000.0	
11030.0	
Trial Summary	Negative
Positive Control ²	1739 ± 144.7
Positive Control ⁵	

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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 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****