

Experiment Number: **289797**

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

G06: Ames Summary Data

Test Compound: **3,3'-Dimethoxybenzidine**

CAS Number: **119-90-4**

Date Report Requested: **09/11/2018**

Time Report Requested: **20:46:25**

NTP Study Number:

289797

Study Result:

Positive

Experiment Number: 289797

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Mutagenicity

G06: Ames Summary Data

Test Compound: 3,3'-Dimethoxybenzidine

CAS Number: 119-90-4

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	116 ± 6.1	147 ± 7.6	170 ± 7.4
10.0	130 ± 10.7	184 ± 7.5	167 ± 10.1
33.0	138 ± 6.4	220 ± 2.5	180 ± 14.5
100.0	127 ± 13.7	202 ± 7.5	191 ± 10.1
333.0	126 ± 11.9	228 ± 2.3	190 ± 7.5
1000.0	147 ± 3.5	244 ± 1.7	200 ± 12.5
Trial Summary	Negative	Weakly Positive	Negative
Positive Control ²		466 ± 129.7	798 ± 97.5
Positive Control ³	435 ± 5.2		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 3.4	15 ± 2.7	10 ± 0.3
10.0	12 ± 1.0	18 ± 1.0	11 ± 0.7
33.0	11 ± 1.7	17 ± 2.2	10 ± 0.3
100.0	13 ± 0.3	13 ± 3.8	10 ± 1.5
333.0	11 ± 0.3	19 ± 1.5	12 ± 1.5
1000.0	17 ± 0.9	19 ± 1.8	11 ± 0.9
Trial Summary	Negative	Negative	Negative
Positive Control ²		34 ± 2.5	70 ± 9.9
Positive Control ³	447 ± 41.6		

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.2	14 ± 2.6	9 ± 2.4
10.0	14 ± 1.5	11 ± 0.3	11 ± 1.5
33.0	12 ± 2.3	15 ± 1.9	16 ± 1.8
100.0	12 ± 1.8	14 ± 1.5	12 ± 1.3
333.0	11 ± 3.5	10 ± 2.0	15 ± 1.8
1000.0	13 ± 1.5	20 ± 4.1	21 ± 2.1
Trial Summary	Negative	Negative	Equivocal
Positive Control ²		35 ± 7.0	80 ± 20.6
Positive Control ⁴	140 ± 11.0		

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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	15 ± 3.7	24 ± 1.8	29 ± 0.6	35 ± 4.0	22 ± 2.1
10.0	9 ± 2.4		47 ± 18.0		43 ± 4.6
33.0	11 ± 1.8	28 ± 3.0	67 ± 3.2	66 ± 4.7	51 ± 3.4
66.0		19 ± 3.5		79 ± 5.8	
100.0	13 ± 2.0	21 ± 4.1	111 ± 6.2	68 ± 9.5	49 ± 7.1
166.0		21 ± 2.8		96 ± 9.0	
333.0	13 ± 1.8	27 ± 3.5	148 ± 5.3	127 ± 30.6	54 ± 18.3
1000.0	13 ± 1.7		148 ± 1.8		76 ± 10.3
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control ²			302 ± 13.6	324 ± 45.6	878 ± 20.0
Positive Control ⁵	195 ± 4.9	231 ± 42.0			

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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 ****