

Experiment Number: 349572

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,3'-Dimethoxybenzidine

CAS Number: 119-90-4

Date Report Requested: 09/13/2018

Time Report Requested: 15:20:18

NTP Study Number:

349572

Study Result:

Positive

Experiment Number: 349572

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Test Compound: 3,3'-Dimethoxybenzidine

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Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	89 ± 5.2	99 ± 5.2
3.81	119 ± 2.2	100 ± 8.3
7.63	130 ± 12.5	102 ± 5.0
15.25	167 ± 1.2	103 ± 0.9
30.5	275 ± 3.5	137 ± 7.0
61.0	294 ± 9.6	151 ± 2.4
Trial Summary	Positive	Weakly Positive
Positive Control ²	205 ± 9.2	192 ± 2.2

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Mutagenicity**G06: Ames Summary Data**

Test Compound: 3,3'-Dimethoxybenzidine

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Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	46 ± 2.0	13 ± 0.7	16 ± 2.9	34 ± 3.9	21 ± 0.5
3.81	130 ± 29.4	82 ± 11.7	89 ± 5.2	51 ± 3.9	31 ± 6.0
7.63	232 ± 2.9	205 ± 3.3	138 ± 9.6	57 ± 2.1	39 ± 0.0
15.25	391 ± 29.6	377 ± 34.9	245 ± 10.5	73 ± 2.6	50 ± 0.6
30.5	676 ± 22.1	670 ± 27.7	401 ± 31.7	76 ± 3.5	57 ± 5.6
61.0	1035 ± 6.1	978 ± 8.0	517 ± 33.8	91 ± 5.7	71 ± 4.7
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	43 ± 6.4	135 ± 13.1	135 ± 0.9	36 ± 5.8	107 ± 3.7

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.3
3.81	37 ± 1.2
7.63	47 ± 2.7
15.25	46 ± 1.8
30.5	68 ± 1.5
61.0	92 ± 3.5
Trial Summary	Positive
Positive Control ²	104 ± 3.9

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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: 240.0 ug/Plate Trypan Blue

**** END OF REPORT ****