

Experiment Number: 381549

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzdine

CAS Number: 92-87-5

Date Report Requested: 09/14/2018

Time Report Requested: 09:10:25

NTP Study Number:

381549

Study Result:

Positive

Experiment Number: 381549

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

G06: Ames Summary Data

Test Compound: **Benzidine**

CAS Number: **92-87-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **09:10:25**

Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	111 ± 0.9	109 ± 3.4
11.5	124 ± 6.3	114 ± 8.8
23.0	163 ± 11.5	122 ± 16.5
46.0	145 ± 10.8	172 ± 5.7
92.0	193 ± 4.7	179 ± 2.9
184.0	215 ± 11.9	188 ± 0.0
Trial Summary	Positive	Positive
Positive Control ²	205 ± 2.3	197 ± 3.0

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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	21 ± 1.5	17 ± 1.0	31 ± 2.3	20 ± 0.9	20 ± 2.3
11.5	69 ± 4.5	47 ± 1.7	55 ± 1.8	104 ± 5.5	93 ± 10.7
23.0	95 ± 5.8	76 ± 3.3	77 ± 4.2	143 ± 16.4	130 ± 11.7
46.0	115 ± 7.2	109 ± 4.7	86 ± 6.1	258 ± 14.4	198 ± 38.9
92.0	207 ± 9.9	230 ± 28.5	135 ± 11.8	354 ± 26.5	370 ± 29.4
184.0	312 ± 16.0	326 ± 5.7	230 ± 11.9	442 ± 41.6	447 ± 4.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	29 ± 4.5	167 ± 6.4	111 ± 9.4	26 ± 5.0	121 ± 4.3

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	36 ± 0.6
11.5	79 ± 2.5
23.0	88 ± 3.8
46.0	104 ± 3.0
92.0	168 ± 6.9
184.0	236 ± 2.3
Trial Summary	Positive
Positive Control ²	100 ± 7.2

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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 ****