

Experiment Number: 038268

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: 20:00:46

NTP Study Number:

038268

Study Result:

Positive

Experiment Number: 038268

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Benzidine

Time Report Requested: 20:00:46

CAS Number: 92-87-5

Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	85 ± 8.1	103 ± 4.0	148 ± 7.7	95 ± 2.9	144 ± 1.5
0.3		116 ± 14.7	163 ± 1.9	117 ± 5.2	155 ± 13.5
3.3		133 ± 8.0	158 ± 3.8	111 ± 0.9	135 ± 12.5
33.0		172 ± 6.0	188 ± 4.5	292 ± 16.8	268 ± 12.3
100.0	101 ± 1.0	211 ± 8.1	260 ± 3.4	513 ± 18.0	533 ± 16.7
333.0	102 ± 2.9				
1000.0	116 ± 6.9	471 ± 20.0 ^P	587 ± 26.3	1591 ± 19.1 ^P	1313 ± 62.9
3333.0	106 ± 3.4				
10000.0	111 ± 4.7 ^P				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²	431 ± 20.9				
Positive Control ³				711 ± 38.3	425 ± 28.1
Positive Control ⁴		1366 ± 47.4	1305 ± 58.2		

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Benzidine

Time Report Requested: 20:00:46

CAS Number: 92-87-5

Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	16 ± 1.5	30 ± 3.2	27 ± 5.2	23 ± 1.5	22 ± 1.5
0.3		27 ± 1.2	27 ± 3.2	24 ± 2.9	28 ± 2.6
3.3		35 ± 2.0	36 ± 4.4	51 ± 6.7	54 ± 3.5
33.0		84 ± 9.8	104 ± 2.0	381 ± 7.8	339 ± 5.2
100.0	15 ± 3.4	144 ± 9.8	170 ± 11.4	885 ± 59.8	745 ± 19.9
333.0	18 ± 5.5				
1000.0	20 ± 3.3	382 ± 11.9 ^p	457 ± 12.2	2135 ± 58.3 ^p	1548 ± 27.2
3333.0	13 ± 1.3				
10000.0	17 ± 2.0 ^p				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ⁵				146 ± 3.5	119 ± 3.2
Positive Control ³		486 ± 25.4	380 ± 26.5		
Positive Control ⁶	310 ± 11.3				

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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 Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 0.4 ug/Plate 2-Aminoanthracene
- 6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate

** END OF REPORT **