

Experiment Number: 519790

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

G06: Ames Summary Data

Test Compound: **Hydrazobenzene**

CAS Number: 122-66-7

Date Report Requested: 09/12/2018

Time Report Requested: 17:32:22

NTP Study Number:

519790

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	107 ± 9.8	128 ± 4.7	114 ± 4.2	109 ± 9.0	154 ± 13.1
3.3	113 ± 8.1	133 ± 6.1	140 ± 3.4	136 ± 8.0	139 ± 7.8
10.0	114 ± 19.9	146 ± 16.8	162 ± 8.4	176 ± 8.7	146 ± 3.7
33.3	98 ± 7.6	266 ± 12.7	261 ± 12.5	198 ± 20.5	165 ± 7.0
100.0	77 ± 13.3 ^s	444 ± 22.5	467 ± 25.3	269 ± 3.2	262 ± 4.8
333.3	Toxic	74 ± 36.4 ^s	222 ± 53.7 ^s	416 ± 32.7	113 ± 9.0 ^s
Trial Summary	Negative	Positive	Positive	Positive	Equivocal
Positive Control ²		498 ± 19.2	305 ± 7.0	1511 ± 44.1	908 ± 11.0
Positive Control ³	520 ± 8.0				

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 2.3	11 ± 0.9	12 ± 1.5
3.3	18 ± 1.5	15 ± 1.7	12 ± 2.3
10.0	13 ± 4.0	12 ± 2.3	10 ± 2.7
33.3	17 ± 3.8	11 ± 1.9	10 ± 2.0
100.0	10 ± 1.2 ^s	12 ± 0.9	8 ± 1.3
333.3	Toxic	0 ± 0.0 ^s	8 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control ³	390 ± 4.2		
Positive Control ⁴		221 ± 12.5	233 ± 30.8

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 3.5	6 ± 0.7	9 ± 2.0
3.3	8 ± 0.3	5 ± 0.9	8 ± 2.3
10.0	9 ± 2.6	6 ± 2.8	8 ± 1.8
33.3	8 ± 1.0	8 ± 2.7	6 ± 0.6
100.0	4 ± 0.3 ^s	4 ± 0.7	6 ± 1.5
333.3	Toxic	1 ± 0.7 ^s	5 ± 0.8
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		99 ± 7.8	243 ± 26.3
Positive Control ⁵	870 ± 97.6		

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Test Compound: Hydrazobenzene

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 0.9	26 ± 3.5	22 ± 2.1	28 ± 5.6	32 ± 7.0
3.3	28 ± 2.2	37 ± 1.0		31 ± 1.9	
10.0	29 ± 1.9	41 ± 1.2	26 ± 2.4	33 ± 3.0	25 ± 1.3
33.3	18 ± 1.5	46 ± 1.0	31 ± 2.7	35 ± 2.3	32 ± 0.3
100.0	7 ± 3.8 ^s	54 ± 4.8	35 ± 2.8	42 ± 6.3	38 ± 2.5
166.7			41 ± 6.7		28 ± 0.3
333.3	Toxic	12 ± 3.1 ^s	16 ± 8.8 ^s	46 ± 10.7	11 ± 3.7 ^s
Trial Summary	Negative	Weakly Positive	Weakly Positive	Equivocal	Negative
Positive Control ²		367 ± 8.1	115 ± 8.2	1086 ± 57.3	426 ± 10.5
Positive Control ⁶	741 ± 16.9				

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****