

Experiment Number: 909373

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

Date Report Requested: 09/17/2018

Time Report Requested: 01:46:33

NTP Study Number:

909373

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	118 ± 10.3	104 ± 6.4	129 ± 10.3	125 ± 10.9	156 ± 7.5
3.3	124 ± 4.4	93 ± 9.0	146 ± 3.8	122 ± 15.8	164 ± 5.6
10.0	127 ± 9.1	96 ± 9.9	149 ± 8.9	126 ± 9.5	155 ± 7.0
33.0	116 ± 11.1	93 ± 6.7	157 ± 6.4	122 ± 15.2	185 ± 2.5
100.0	138 ± 9.1	94 ± 14.2	130 ± 3.5	114 ± 5.9	167 ± 2.2
333.0	121 ± 5.4	94 ± 13.0	116 ± 2.1	46 ± 33.7	184 ± 14.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			922 ± 13.6	897 ± 24.6	1483 ± 25.8
Positive Control ³	578 ± 32.2	581 ± 13.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	143 ± 19.9
3.3	126 ± 14.8
10.0	139 ± 4.4
33.0	139 ± 16.7
100.0	127 ± 13.6
333.0	96 ± 49.7
Trial Summary	Negative
Positive Control ²	1219 ± 43.7
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3	5 ± 0.7	5 ± 1.2	5 ± 2.0	6 ± 0.3
3.3	2 ± 0.6	4 ± 1.5	7 ± 0.3	6 ± 1.0	5 ± 0.3
10.0	4 ± 0.9	4 ± 1.5	6 ± 0.6	4 ± 1.2	2 ± 0.3
33.0	7 ± 0.0	5 ± 0.6	7 ± 0.3	6 ± 0.6	4 ± 0.9
100.0	5 ± 0.3	4 ± 0.6	6 ± 0.3	4 ± 1.2	5 ± 0.0
333.0	4 ± 1.2	1 ± 0.9	4 ± 0.7	5 ± 0.5	2 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			196 ± 5.0	33 ± 2.3	29 ± 2.4
Positive Control ³	379 ± 7.0	510 ± 26.8			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.5
3.3	5 ± 1.0
10.0	5 ± 1.5
33.0	5 ± 2.0
100.0	4 ± 0.6
333.0	3 ± 0.7
Trial Summary	Negative
Positive Control ²	41 ± 3.8
Positive Control ³	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 1.5	4 ± 0.9	5 ± 1.8	7 ± 0.3	7 ± 1.5
3.3	5 ± 0.3	6 ± 1.3	8 ± 1.3	7 ± 2.0	8 ± 1.2
10.0	4 ± 0.9	3 ± 0.6	6 ± 0.9	8 ± 0.9	7 ± 0.6
33.0	1 ± 0.3	2 ± 0.9	5 ± 0.5	7 ± 2.0	6 ± 1.0
100.0	2 ± 1.2	5 ± 2.1	2 ± 0.3	6 ± 2.1	4 ± 0.7
333.0	2 ± 2.0	2 ± 0.9	0 ± 0.3	1 ± 0.7	1 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			53 ± 16.6	42 ± 3.1	99 ± 5.8
Positive Control ⁴	779 ± 68.8	841 ± 133.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.8
3.3	8 ± 1.5
10.0	11 ± 3.0
33.0	7 ± 1.2
100.0	8 ± 2.4
333.0	2 ± 0.6
Trial Summary	Negative
Positive Control ²	80 ± 3.5
Positive Control ⁴	

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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	16 ± 0.3	17 ± 0.7	19 ± 2.0	20 ± 3.8	19 ± 3.0
3.3	22 ± 2.6	20 ± 2.1	34 ± 4.7	28 ± 3.9	21 ± 1.2
10.0	17 ± 1.7	18 ± 1.7	24 ± 0.3	22 ± 2.2	21 ± 3.0
33.0	15 ± 0.6	14 ± 1.2	23 ± 0.3	25 ± 2.6	24 ± 4.4
100.0	18 ± 1.5	14 ± 2.7	24 ± 2.1	20 ± 3.0	27 ± 1.5
333.0	19 ± 1.5	12 ± 4.6	20 ± 0.5	13 ± 4.6	16 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			633 ± 76.1	488 ± 36.0	1159 ± 135.8
Positive Control ⁵	359 ± 11.7	379 ± 20.6			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 2.2
3.3	20 ± 1.5
10.0	14 ± 2.0
33.0	15 ± 3.2
100.0	17 ± 3.7
333.0	11 ± 1.8
Trial Summary	Negative
Positive Control ²	754 ± 43.7
Positive Control ⁵	

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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 ****