

Experiment Number: 239405

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

G06: Ames Summary Data

Test Compound: **2-Biphenylamine**

CAS Number: **90-41-5**

Date Report Requested: **09/15/2018**

Time Report Requested: **04:50:26**

NTP Study Number: 239405

Study Result: Positive

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Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

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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	159 ± 4.0	169 ± 13.5	174 ± 6.8	180 ± 3.8	168 ± 18.5
3.0	155 ± 3.0				
10.0	159 ± 15.6	210 ± 13.6	167 ± 9.6	167 ± 3.3	209 ± 18.6
33.0	154 ± 3.5	270 ± 13.1	208 ± 7.4	211 ± 19.4	220 ± 7.7
100.0	149 ± 4.0	369 ± 12.4	387 ± 12.7	269 ± 10.2	258 ± 28.0
166.0	106 ± 7.0	454 ± 26.6			342 ± 36.7
333.0		638 ± 24.3	662 ± 8.7	516 ± 1.8	450 ± 12.8
1000.0			0 ± 0.0 ^s	0 ± 0.0 ^s	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				545 ± 10.8	641 ± 29.9
Positive Control ³	439 ± 15.8				
Positive Control ⁴		595 ± 8.5	462 ± 15.9		

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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	21 ± 1.5	48 ± 1.5	38 ± 4.0	37 ± 2.0	38 ± 5.2
3.0	23 ± 2.4				
10.0	22 ± 1.8	54 ± 0.7	35 ± 1.5	37 ± 2.0	
33.0	20 ± 4.9	65 ± 6.1	44 ± 2.5	43 ± 4.2	37 ± 7.1
100.0	21 ± 2.6	75 ± 3.2	57 ± 2.1	60 ± 4.6	56 ± 0.6
166.0	13 ± 1.7 ^s		98 ± 5.6		64 ± 6.7
333.0		141 ± 5.8	171 ± 13.5	91 ± 3.7	90 ± 8.4
666.0					171 ± 17.5
1000.0		30 ± 29.8		6 ± 1.0 ^s	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		134 ± 5.9	107 ± 11.0	283 ± 13.6	256 ± 3.5
Positive Control ⁵	522 ± 21.6				

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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: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****