

Experiment Number: 172807

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

Date Report Requested: 09/19/2018

Time Report Requested: 15:47:44

NTP Study Number:

172807

Study Result:

Positive

Experiment Number: 172807

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

Date Report Requested: 09/19/2018

Time Report Requested: 15:47:44

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	132 ± 1.8	114 ± 12.4	111 ± 3.8	108 ± 2.0	119 ± 8.1
3.0	112 ± 6.5				
10.0	124 ± 6.7	114 ± 6.3	135 ± 9.7		
33.0	91 ± 8.2	196 ± 7.2	177 ± 9.4	131 ± 7.9	164 ± 8.2
100.0	111 ± 11.6	306 ± 3.1	322 ± 5.8	204 ± 7.4	222 ± 6.7
166.0	69 ± 7.9 ^s		412 ± 11.7	288 ± 22.0	265 ± 12.1
333.0		507 ± 3.5	631 ± 12.0	497 ± 16.5	495 ± 21.1
666.0		214 ± 27.3 ^s			619 ± 43.7
1000.0				354 ± 96.0 ^s	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				592 ± 45.5	650 ± 30.1
Positive Control ³	352 ± 7.2				
Positive Control ⁴		460 ± 41.0	549 ± 44.1		

Experiment Number: 172807

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

Date Report Requested: 09/19/2018

Time Report Requested: 15:47:44

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	17 ± 2.6	43 ± 0.6	36 ± 2.6	31 ± 3.6	25 ± 2.0
3.0	16 ± 0.3				
10.0	16 ± 1.2	46 ± 3.5	37 ± 2.9		
33.0	12 ± 2.2	56 ± 2.7	42 ± 6.4	37 ± 6.9	32 ± 2.1
100.0	17 ± 1.8	85 ± 1.0	44 ± 2.4	50 ± 5.0	53 ± 5.0
166.0	11 ± 2.0			77 ± 2.0	72 ± 4.2
333.0		168 ± 10.2	92 ± 6.6	148 ± 12.9	107 ± 1.5
666.0		150 ± 21.7	146 ± 22.5		196 ± 9.2
1000.0				186 ± 31.2	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		98 ± 16.6	93 ± 2.0	224 ± 9.3	244 ± 35.9
Positive Control ⁵	519 ± 52.6				

Experiment Number: 172807

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

G06: Ames Summary Data

Test Compound: **2-Biphenylamine**

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

Date Report Requested: **09/19/2018**

Time Report Requested: **15:47:44**

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 ****