

Experiment Number: 869632

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

**G06: Ames Summary Data**

Test Compound: **2-Biphenylamine**

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

Date Report Requested: **09/16/2018**

Time Report Requested: **16:17:41**

**NTP Study Number:**

869632

**Study Result:**

Positive

Experiment Number: 869632

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

Date Report Requested: 09/16/2018

Time Report Requested: 16:17:41

## 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 <sup>1</sup>	120 ± 7.0	122 ± 2.0	144 ± 6.5	124 ± 2.7	151 ± 4.0
3.0	122 ± 3.8	152 ± 9.6	169 ± 3.0		158 ± 5.0
10.0	134 ± 2.0	169 ± 4.4	181 ± 4.5	154 ± 6.7	162 ± 13.1
33.0	114 ± 15.1	261 ± 7.9	256 ± 16.0	179 ± 9.9	192 ± 10.0
100.0	122 ± 8.4	468 ± 21.5	373 ± 15.4	314 ± 18.5	271 ± 11.1
333.0	Toxic	609 ± 7.9	609 ± 23.8	549 ± 12.1	441 ± 5.7
1000.0				0 ± 0.0 <sup>s</sup>	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>		717 ± 41.0	352 ± 19.8	1679 ± 33.9	1515 ± 30.7
Positive Control <sup>3</sup>	239 ± 13.0				

Experiment Number: 869632

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

Date Report Requested: 09/16/2018

Time Report Requested: 16:17:41

**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	21 ± 2.3	9 ± 3.3	7 ± 0.9
3.0	19 ± 2.3	8 ± 2.3	
10.0	17 ± 3.2	7 ± 0.7	11 ± 4.3
33.0	22 ± 2.7	12 ± 2.5	8 ± 3.7
100.0	21 ± 4.7	8 ± 2.6	4 ± 0.6
333.0	0 ± 0.0	15 ± 1.8	5 ± 1.7
1000.0			Toxic
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>	295 ± 7.7		
Positive Control <sup>4</sup>		413 ± 14.2	712 ± 43.0

Experiment Number: 869632

**G06: Ames Summary Data**

Date Report Requested: 09/16/2018

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**Test Compound: **2-Biphenylamine**

Time Report Requested: 16:17:41

CAS Number: 90-41-5

**Strain: TA97**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	135 ± 3.5	176 ± 3.1	165 ± 13.9	155 ± 9.7	158 ± 8.0
3.0	143 ± 8.1	96 ± 51.3	178 ± 16.6		168 ± 3.8
10.0	133 ± 4.3	200 ± 10.1	186 ± 4.8	164 ± 14.8	181 ± 7.5
33.0	146 ± 9.6	226 ± 3.2	199 ± 4.9	174 ± 7.5	197 ± 14.3
100.0	122 ± 8.7	291 ± 27.5	239 ± 17.1	201 ± 3.3	192 ± 29.5
333.0	Toxic	396 ± 9.7	309 ± 44.7	259 ± 25.2	250 ± 20.1
1000.0				Toxic	
Trial Summary	Negative	Positive	Positive	Weakly Positive	Weakly Positive
Positive Control <sup>4</sup>		764 ± 15.1	1236 ± 28.7	743 ± 21.7	1611 ± 39.3
Positive Control <sup>5</sup>	673 ± 11.5				

Experiment Number: 869632

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2-Biphenylamine

CAS Number: 90-41-5

Date Report Requested: 09/16/2018

Time Report Requested: 16:17:41

## 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 <sup>1</sup>	18 ± 3.7	28 ± 3.1	33 ± 1.2	24 ± 3.5	34 ± 2.3
3.0	15 ± 1.2	29 ± 2.6	35 ± 5.2		33 ± 5.6
10.0	10 ± 2.3	28 ± 5.3	43 ± 3.2	22 ± 1.7	32 ± 5.8
33.0	14 ± 3.5	50 ± 1.7	58 ± 5.8	36 ± 1.3	46 ± 2.2
100.0	9 ± 2.4	106 ± 6.7	94 ± 5.5	66 ± 4.6	66 ± 0.9
333.0	Toxic	191 ± 9.6	190 ± 6.6	136 ± 4.4	148 ± 4.3
1000.0				0 ± 0.0 <sup>s</sup>	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>		333 ± 19.5	149 ± 10.7	838 ± 55.9	999 ± 44.0
Positive Control <sup>6</sup>	519 ± 12.3				

Experiment Number: 869632

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

**G06: Ames Summary Data**

Test Compound: **2-Biphenylamine**

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

Date Report Requested: **09/16/2018**

Time Report Requested: **16:17:41**

### **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 \*\***