

Experiment Number: 768193

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

**G06: Ames Summary Data**

Test Compound: **Phenolphthalein**

CAS Number: 77-09-8

Date Report Requested: **09/17/2018**

Time Report Requested: **20:25:48**

**NTP Study Number:**

768193

**Study Result:**

Negative

Experiment Number: 768193

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 09/17/2018

Time Report Requested: 20:25:48

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	86 ± 1.7	99 ± 10.2	87 ± 0.9	115 ± 9.9	128 ± 3.5
3.3		94 ± 6.0	82 ± 1.2		
10.0	94 ± 8.0	79 ± 7.7	88 ± 4.3	92 ± 5.9	107 ± 2.7
33.0	90 ± 6.0	85 ± 5.9	82 ± 7.8	90 ± 1.8	128 ± 2.9
100.0	109 ± 23.4	72 ± 1.2	70 ± 7.3	101 ± 3.5	118 ± 6.2
333.0	Toxic	Toxic	Toxic	90 ± 3.9	126 ± 4.0
1000.0	Toxic			Toxic	103 ± 15.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>				1491 ± 345.7	1586 ± 45.0
Positive Control <sup>3</sup>	1381 ± 22.1	911 ± 36.0	1641 ± 38.6		

Experiment Number: 768193

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

**G06: Ames Summary Data**

Test Compound: **Phenolphthalein**

CAS Number: **77-09-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:25:48**

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	90 ± 6.5	104 ± 8.0	113 ± 12.8
3.3		94 ± 2.4	96 ± 5.6
10.0	95 ± 8.0	95 ± 3.8	102 ± 10.1
33.0	102 ± 6.0	113 ± 9.0	89 ± 6.7
100.0	100 ± 9.2	120 ± 5.8	108 ± 10.7
333.0	Toxic	122 ± 6.9	117 ± 9.3
1000.0	13 ± 8.5		
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>	945 ± 126.4	1383 ± 108.6	2007 ± 217.0
Positive Control <sup>3</sup>			

Experiment Number: 768193

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity**G06: Ames Summary Data**

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 09/17/2018

Time Report Requested: 20:25:48

**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	7 ± 0.9	14 ± 1.5	5 ± 1.8	10 ± 4.0	11 ± 1.2
3.3		12 ± 1.2	6 ± 1.7		
10.0	10 ± 0.9	9 ± 1.5	7 ± 1.5	6 ± 2.6	11 ± 1.9
33.0	9 ± 2.3	8 ± 1.5	5 ± 0.7	7 ± 1.2	7 ± 1.0
100.0	9 ± 1.0	10 ± 0.7	4 ± 1.5	9 ± 0.0	11 ± 2.1
333.0	Toxic	9 ± 1.8	Toxic	8 ± 1.7	10 ± 2.1
1000.0	Toxic			Toxic	16 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>				416 ± 46.5	287 ± 19.9
Positive Control <sup>3</sup>	1029 ± 16.2	680 ± 28.7	1081 ± 144.9		

Experiment Number: 768193

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 09/17/2018

Time Report Requested: 20:25:48

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 1.0	13 ± 0.3
3.3		
10.0	13 ± 1.5	12 ± 3.5
33.0	9 ± 1.2	10 ± 1.7
100.0	13 ± 2.3	9 ± 2.4
333.0	11 ± 3.7	11 ± 2.0
1000.0	Toxic	12 ± 3.3
Trial Summary	Negative	Negative
Positive Control <sup>4</sup>	308 ± 26.5	133 ± 6.8
Positive Control <sup>3</sup>		

Experiment Number: 768193

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 09/17/2018

Time Report Requested: 20:25:48

## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	3 ± 1.2	9 ± 2.6	10 ± 1.0	15 ± 1.0	13 ± 1.0
10.0	4 ± 0.3	9 ± 1.8	9 ± 2.2	11 ± 0.6	10 ± 3.2
33.0	7 ± 1.8	9 ± 0.9	9 ± 2.0	11 ± 1.2	9 ± 2.0
100.0	9 ± 1.5	10 ± 1.2	7 ± 1.7	13 ± 1.8	11 ± 0.3
333.0	4 ± 2.4	7 ± 0.9	8 ± 1.3	13 ± 1.8	10 ± 1.2
1000.0	Toxic	Toxic	10 ± 3.5	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			105 ± 8.0	158 ± 41.7	68 ± 9.6
Positive Control <sup>5</sup>	109 ± 9.6	113 ± 39.5			

Experiment Number: 768193

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

**G06: Ames Summary Data**

Test Compound: **Phenolphthalein**

CAS Number: **77-09-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:25:48**

---

**Strain: TA1537**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	11 ± 1.5
10.0	9 ± 1.5
33.0	12 ± 0.9
100.0	9 ± 0.3
333.0	9 ± 2.1
1000.0	Toxic
Trial Summary	Negative
Positive Control <sup>4</sup>	194 ± 5.9
Positive Control <sup>5</sup>	

Experiment Number: 768193

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 09/17/2018

Time Report Requested: 20:25:48

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 1.8	25 ± 2.2	24 ± 1.2	31 ± 5.8	25 ± 3.4
10.0	13 ± 3.8	21 ± 2.9	22 ± 6.0	30 ± 1.5	22 ± 4.8
33.0	11 ± 1.5	21 ± 3.5	18 ± 2.7	31 ± 2.3	20 ± 3.5
100.0	17 ± 0.9	20 ± 4.1	19 ± 3.7	22 ± 3.5	29 ± 2.3
333.0	16 ± 3.8	17 ± 0.9	25 ± 3.5	19 ± 2.8	25 ± 2.6
1000.0	Toxic	Toxic	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			334 ± 132.8	681 ± 66.8	554 ± 93.2
Positive Control <sup>6</sup>	146 ± 17.8	92 ± 4.0			



Experiment Number: 768193

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

**G06: Ames Summary Data**

Test Compound: **Phenolphthalein**

CAS Number: **77-09-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:25:48**

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	30 ± 4.3
10.0	30 ± 4.2
33.0	27 ± 2.0
100.0	31 ± 0.9
333.0	23 ± 4.0
1000.0	Toxic
Trial Summary	Negative
Positive Control <sup>2</sup>	966 ± 33.4
Positive Control <sup>6</sup>	

Experiment Number: 768193

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

**G06: Ames Summary Data**

Test Compound: **Phenolphthalein**

CAS Number: **77-09-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:25:48**

### **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: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**\*\* END OF REPORT \*\***