

Experiment Number: 862096

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: o-Bromotoluene

CAS Number: 95-46-5

Date Report Requested: 09/16/2018

Time Report Requested: 15:41:15

**NTP Study Number:**

862096

**Study Result:**

Negative

Experiment Number: 862096

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: o-Bromotoluene

CAS Number: 95-46-5

Date Report Requested: 09/16/2018

Time Report Requested: 15:41:15

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	170 ± 4.5	154 ± 6.1	138 ± 2.2	161 ± 4.0	142 ± 9.8
3.0	159 ± 2.4	147 ± 2.9			
10.0	167 ± 4.5	148 ± 2.7			
33.0	139 ± 8.4	135 ± 4.9	129 ± 10.6	156 ± 5.2	141 ± 11.5
100.0	117 ± 8.9	116 ± 7.0	128 ± 10.4	155 ± 15.0	131 ± 4.8
166.0		84 ± 11.1 <sup>s</sup>			
333.0	46 ± 17.6 <sup>s</sup>		131 ± 3.8	149 ± 10.8	129 ± 12.3
1000.0			111 ± 4.0	153 ± 9.5	113 ± 11.8
1666.0			122 ± 5.5		103 ± 12.0 <sup>s</sup>
3333.0				138 ± 13.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					778 ± 32.0
Positive Control <sup>3</sup>			460 ± 5.0		
Positive Control <sup>4</sup>	441 ± 8.7	412 ± 20.5			
Positive Control <sup>5</sup>				570 ± 25.8	

Experiment Number: 862096  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: o-Bromotoluene  
CAS Number: 95-46-5

Date Report Requested: 09/16/2018  
Time Report Requested: 15:41:15

---

Strain: TA100

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	171 ± 5.2
3.0	
10.0	
33.0	155 ± 12.9
100.0	168 ± 15.4
166.0	
333.0	161 ± 9.3
1000.0	128 ± 8.1
1666.0	
3333.0	109 ± 4.3
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	720 ± 25.2
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

Experiment Number: 862096

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: o-Bromotoluene

CAS Number: 95-46-5

Date Report Requested: 09/16/2018

Time Report Requested: 15:41:15

## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	31 ± 3.5	34 ± 3.9	7 ± 0.9	35 ± 1.7	14 ± 1.5
3.0	30 ± 2.0	33 ± 3.5			
10.0	33 ± 2.2	32 ± 3.0			
33.0	26 ± 2.2	30 ± 3.2	7 ± 0.3	30 ± 2.7	7 ± 1.2
100.0	15 ± 0.7	15 ± 2.5	8 ± 0.3	25 ± 2.2	16 ± 1.5
166.0		2 ± 0.3 <sup>s</sup>			
333.0	0 ± 0.0 <sup>s</sup>		8 ± 0.9	19 ± 1.5	10 ± 1.7
1000.0			6 ± 1.5	16 ± 2.3	6 ± 0.7
1666.0			5 ± 1.2 <sup>s</sup>		4 ± 2.3 <sup>s</sup>
3333.0				10 ± 1.3 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					236 ± 23.4
Positive Control <sup>4</sup>	515 ± 8.7	355 ± 9.2			
Positive Control <sup>5</sup>			154 ± 14.0		
Positive Control <sup>6</sup>				175 ± 10.3	

Experiment Number: 862096  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: o-Bromotoluene  
CAS Number: 95-46-5

Date Report Requested: 09/16/2018  
Time Report Requested: 15:41:15

---

Strain: TA1535

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 1.3
3.0	
10.0	
33.0	12 ± 2.9
100.0	12 ± 0.9
166.0	
333.0	11 ± 3.0
1000.0	10 ± 2.6
1666.0	
3333.0	5 ± 2.2 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	505 ± 11.0
Positive Control <sup>6</sup>	

Experiment Number: 862096  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: o-Bromotoluene  
CAS Number: 95-46-5

Date Report Requested: 09/16/2018  
Time Report Requested: 15:41:15

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 1.5	19 ± 3.8	15 ± 0.9
3.0	12 ± 1.3		
10.0	10 ± 1.0		
33.0	13 ± 0.3	15 ± 1.0	13 ± 0.9
100.0	8 ± 0.3	21 ± 0.0	14 ± 2.2
333.0	6 ± 3.5 <sup>s</sup>	14 ± 0.9	12 ± 2.3
1000.0		12 ± 1.5	10 ± 2.4
3333.0		8 ± 1.2 <sup>s</sup>	3 ± 2.1 <sup>s</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>			56 ± 5.5
Positive Control <sup>5</sup>		49 ± 0.7	
Positive Control <sup>7</sup>	691 ± 38.8		

Experiment Number: 862096

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: o-Bromotoluene

CAS Number: 95-46-5

Date Report Requested: 09/16/2018

Time Report Requested: 15:41:15

## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	167 ± 14.8	171 ± 7.7	188 ± 5.3	192 ± 14.6	196 ± 5.0
3.0	181 ± 8.7	172 ± 10.0			
10.0	179 ± 14.6	190 ± 3.7			
33.0	192 ± 8.6	179 ± 6.6	187 ± 4.3	200 ± 6.5	193 ± 8.5
100.0	188 ± 7.8	158 ± 1.8	183 ± 15.3	214 ± 5.4	195 ± 5.4
166.0		84 ± 5.7 <sup>s</sup>			
333.0	130 ± 31.5 <sup>s</sup>		166 ± 4.5	207 ± 7.2	185 ± 10.5
1000.0			186 ± 7.5	203 ± 3.4	182 ± 7.4
1666.0			174 ± 0.7		133 ± 10.2 <sup>s</sup>
3333.0				63 ± 29.7 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					623 ± 31.5
Positive Control <sup>3</sup>			389 ± 15.7		
Positive Control <sup>5</sup>				431 ± 29.9	
Positive Control <sup>7</sup>	754 ± 19.8	407 ± 16.6			

Experiment Number: 862096  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: o-Bromotoluene  
CAS Number: 95-46-5

Date Report Requested: 09/16/2018  
Time Report Requested: 15:41:15

---

Strain: TA97

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	181 ± 3.3
3.0	
10.0	
33.0	193 ± 8.1
100.0	194 ± 13.3
166.0	
333.0	180 ± 3.8
1000.0	146 ± 8.0
1666.0	
3333.0	100 ± 7.6 <sup>S</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	449 ± 32.1
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	



Experiment Number: 862096

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: o-Bromotoluene

CAS Number: 95-46-5

Date Report Requested: 09/16/2018

Time Report Requested: 15:41:15

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 1.2	27 ± 1.5	30 ± 1.2	57 ± 3.3	38 ± 0.6
3.0	18 ± 0.3	22 ± 0.7			
10.0	15 ± 0.6	22 ± 1.2			
33.0	18 ± 3.0	15 ± 2.5	34 ± 2.1	45 ± 7.3	39 ± 1.5
100.0	14 ± 2.7	13 ± 0.7	29 ± 1.9	43 ± 6.7	39 ± 3.9
166.0		4 ± 1.7 <sup>s</sup>			
333.0	0 ± 0.0 <sup>s</sup>		31 ± 0.9	30 ± 1.2	32 ± 3.0
1000.0			31 ± 1.0	32 ± 2.8	32 ± 2.7
1666.0			9 ± 9.3 <sup>s</sup>		19 ± 5.6 <sup>s</sup>
3333.0				25 ± 2.4	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					732 ± 34.9
Positive Control <sup>3</sup>			301 ± 45.2	143 ± 2.8	
Positive Control <sup>8</sup>	468 ± 16.5	475 ± 46.1			

Experiment Number: 862096

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: o-Bromotoluene

CAS Number: 95-46-5

Date Report Requested: 09/16/2018

Time Report Requested: 15:41:15

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	33 ± 3.2
3.0	
10.0	
33.0	29 ± 0.9
100.0	26 ± 6.2
166.0	
333.0	27 ± 1.2
1000.0	26 ± 1.8
1666.0	
3333.0	27 ± 3.2
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	393 ± 30.2
Positive Control <sup>8</sup>	

Experiment Number: 862096  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: o-Bromotoluene  
CAS Number: 95-46-5

Date Report Requested: 09/16/2018  
Time Report Requested: 15:41:15

#### 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: 0.5 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 1.0 ug/Plate Sodium Azide
- 5: 2.5 ug/Plate 2-Aminoanthracene
- 6: 5.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

\*\* END OF REPORT \*\*