

Experiment Number: A45330

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Dimethyl adipate

CAS Number: 627-93-0

Date Report Requested: 09/17/2018

Time Report Requested: 01:06:01

**NTP Study Number:**

A45330

**Study Result:**

Negative

Experiment Number: A45330  
 Test Type: Genetic Toxicology - Bacterial  
 Mutagenicity

G06: Ames Summary Data  
 Test Compound: Dimethyl adipate  
 CAS Number: 627-93-0

Date Report Requested: 09/17/2018  
 Time Report Requested: 01:06:01

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>	90 ± 2.7	99 ± 6.7	99 ± 3.8	114 ± 7.7	105 ± 3.2
33.0		87 ± 4.9			
100.0	85 ± 2.5	104 ± 3.7	98 ± 3.8	106 ± 4.3	89 ± 2.1
333.0	83 ± 1.2	98 ± 6.5	108 ± 3.8	102 ± 1.7	92 ± 4.3
1000.0	93 ± 3.6	93 ± 6.4	95 ± 5.8	105 ± 5.5	100 ± 3.5
3333.0	89 ± 3.0	62 ± 9.1	100 ± 4.8	93 ± 2.0	98 ± 7.2
10000.0	60 ± 3.9 <sup>s</sup>		75 ± 13.7	102 ± 6.3	90 ± 5.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					354 ± 11.1
Positive Control <sup>3</sup>			328 ± 12.4		
Positive Control <sup>4</sup>	829 ± 11.4	752 ± 15.3			
Positive Control <sup>5</sup>				492 ± 35.4	

Experiment Number: A45330  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Dimethyl adipate  
CAS Number: 627-93-0

Date Report Requested: 09/17/2018  
Time Report Requested: 01:06:01

---

Strain: TA100

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	99 ± 7.8
33.0	
100.0	96 ± 5.5
333.0	95 ± 3.4
1000.0	100 ± 7.8
3333.0	103 ± 1.5
10000.0	99 ± 3.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	612 ± 11.8
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

Experiment Number: A45330

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Dimethyl adipate

CAS Number: 627-93-0

Date Report Requested: 09/17/2018

Time Report Requested: 01:06:01

## 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>	11 ± 0.9	11 ± 2.2	12 ± 1.5	11 ± 3.0	13 ± 3.2
0.0			0 ± 0.0		
33.0	11 ± 1.3	11 ± 2.1			
100.0	6 ± 3.1	15 ± 2.5	11 ± 3.5	14 ± 3.2	10 ± 1.3
333.0	8 ± 1.0	12 ± 1.5	8 ± 0.7	10 ± 2.0	10 ± 1.0
1000.0	8 ± 1.5	16 ± 2.0	10 ± 2.5	11 ± 1.7	7 ± 0.3
3333.0	5 ± 3.5	20 ± 3.0	11 ± 1.7	10 ± 0.9	8 ± 0.3
10000.0			8 ± 2.3	6 ± 1.7	8 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					188 ± 14.8
Positive Control <sup>4</sup>	651 ± 20.4	613 ± 9.2			
Positive Control <sup>5</sup>			135 ± 10.1		
Positive Control <sup>6</sup>				119 ± 3.4	

Experiment Number: A45330  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Dimethyl adipate  
CAS Number: 627-93-0

Date Report Requested: 09/17/2018  
Time Report Requested: 01:06:01

---

Strain: TA1535

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 1.2
0.0	
33.0	
100.0	9 ± 2.2
333.0	13 ± 0.6
1000.0	11 ± 1.9
3333.0	12 ± 1.5
10000.0	10 ± 0.3
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	263 ± 18.0
Positive Control <sup>6</sup>	

Experiment Number: A45330

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Dimethyl adipate  
CAS Number: 627-93-0

Date Report Requested: 09/17/2018

Time Report Requested: 01:06:01

## 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>	111 ± 2.2	102 ± 4.5	148 ± 11.6	160 ± 6.2	147 ± 4.6
33.0	111 ± 8.7	110 ± 8.7			
100.0	119 ± 11.3	94 ± 5.9	147 ± 9.0	170 ± 9.4	118 ± 10.5
333.0	121 ± 8.1	103 ± 5.5	153 ± 8.8	159 ± 6.7	113 ± 15.5
1000.0	108 ± 9.9	113 ± 6.1	125 ± 20.7	168 ± 3.8	142 ± 12.9
3333.0	125 ± 8.5	104 ± 5.0	136 ± 10.8	150 ± 15.6	145 ± 4.7
10000.0			99 ± 21.9	83 ± 41.5	83 ± 7.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					332 ± 21.0
Positive Control <sup>3</sup>			318 ± 21.3		
Positive Control <sup>5</sup>				323 ± 20.0	
Positive Control <sup>7</sup>	341 ± 22.0	447 ± 4.4			

Experiment Number: A45330  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Dimethyl adipate  
CAS Number: 627-93-0

Date Report Requested: 09/17/2018  
Time Report Requested: 01:06:01

---

Strain: TA97

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	137 ± 5.4
33.0	
100.0	151 ± 15.4
333.0	154 ± 12.3
1000.0	168 ± 10.1
3333.0	168 ± 4.9
10000.0	136 ± 1.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	439 ± 21.8
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

Experiment Number: A45330  
 Test Type: Genetic Toxicology - Bacterial  
 Mutagenicity

**G06: Ames Summary Data**  
 Test Compound: Dimethyl adipate  
 CAS Number: 627-93-0

Date Report Requested: 09/17/2018  
 Time Report Requested: 01:06:01

**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>	17 ± 3.2	14 ± 1.5	17 ± 2.4	17 ± 0.3	19 ± 3.2
33.0		14 ± 2.4			
100.0	19 ± 4.6	15 ± 1.0	18 ± 1.7	15 ± 0.9	14 ± 3.8
333.0	20 ± 3.8	12 ± 2.6	14 ± 0.6	15 ± 0.6	23 ± 2.0
1000.0	17 ± 3.7	15 ± 3.1	17 ± 1.5	12 ± 0.7	20 ± 2.6
3333.0	15 ± 0.6	9 ± 0.3	16 ± 2.7	14 ± 1.8	14 ± 3.5
10000.0	9 ± 0.3 <sup>s</sup>		13 ± 2.1	11 ± 2.1	13 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					142 ± 10.1
Positive Control <sup>3</sup>			196 ± 12.3		
Positive Control <sup>8</sup>	287 ± 25.2	275 ± 11.4			
Positive Control <sup>5</sup>				223 ± 13.1	



Experiment Number: A45330  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Dimethyl adipate  
CAS Number: 627-93-0

Date Report Requested: 09/17/2018  
Time Report Requested: 01:06:01

---

Strain: TA98

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 1.0
33.0	
100.0	13 ± 0.6
333.0	14 ± 0.9
1000.0	14 ± 1.9
3333.0	15 ± 1.5
10000.0	14 ± 0.3
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	265 ± 17.2
Positive Control <sup>8</sup>	
Positive Control <sup>5</sup>	

Experiment Number: A45330  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Dimethyl adipate  
CAS Number: 627-93-0

Date Report Requested: 09/17/2018  
Time Report Requested: 01:06:01

#### 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: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 5.0 ug/Plate 2-Aminoanthracene
- 6: 10.0 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 \*\*