

Experiment Number: **A86767**

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

G06: Ames Summary Data

Test Compound: **Adipic acid**

CAS Number: **124-04-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **04:33:45**

NTP Study Number:

A86767

Study Result:

Negative

Experiment Number: A86767
Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data
Test Compound: Adipic acid
CAS Number: 124-04-9

Date Report Requested: 09/18/2018
Time Report Requested: 04:33:45

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	122 ± 3.8	116 ± 3.7	121 ± 6.4	126 ± 4.0	121 ± 5.2
100.0	118 ± 3.8	115 ± 3.5	117 ± 3.4	131 ± 8.9	114 ± 6.6
333.0	111 ± 5.4	131 ± 7.5	102 ± 10.1	118 ± 3.2	125 ± 6.7
1000.0	114 ± 2.4	129 ± 7.2	107 ± 3.8	113 ± 3.8	122 ± 3.8
3333.0	106 ± 2.7	123 ± 11.5	105 ± 12.6	124 ± 9.0	114 ± 12.0
6666.0		77 ± 13.3	67 ± 6.1		88 ± 10.5
10000.0	0 ± 0.0 ^x			77 ± 6.4 ^x	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1031 ± 96.5
Positive Control ³			1265 ± 17.2		
Positive Control ⁴				907 ± 102.3	
Positive Control ⁵	850 ± 31.7	872 ± 11.7			

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Test Compound: Adipic acid
CAS Number: 124-04-9

Date Report Requested: 09/18/2018
Time Report Requested: 04:33:45

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	145 ± 4.2
100.0	127 ± 7.0
333.0	133 ± 6.3
1000.0	111 ± 5.9
3333.0	113 ± 5.0
6666.0	
10000.0	70 ± 4.3 ^x
Trial Summary	Negative
Positive Control ²	
Positive Control ³	828 ± 40.1
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: A86767

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G06: Ames Summary Data

Test Compound: Adipic acid

CAS Number: 124-04-9

Date Report Requested: 09/18/2018

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.2	10 ± 1.2	6 ± 0.9	11 ± 1.5	8 ± 0.9
100.0	9 ± 1.5	8 ± 1.7	10 ± 0.9	11 ± 2.4	9 ± 0.3
333.0	7 ± 1.3	7 ± 0.9	8 ± 1.2	6 ± 0.6	6 ± 0.9
1000.0	6 ± 0.9	5 ± 1.0	8 ± 1.5	9 ± 1.5	7 ± 1.3
3333.0	8 ± 1.0	6 ± 2.3	7 ± 2.0	9 ± 1.7	6 ± 1.0
6666.0		7 ± 2.7	6 ± 0.9		6 ± 1.2
10000.0	1 ± 0.7 ^x			7 ± 0.3 ^x	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					249 ± 8.9
Positive Control ⁴			159 ± 6.1		
Positive Control ⁵	1347 ± 22.8	873 ± 13.1			
Positive Control ⁶				246 ± 13.6	

Experiment Number: A86767
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Adipic acid
CAS Number: 124-04-9

Date Report Requested: 09/18/2018
Time Report Requested: 04:33:45

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 2.0
100.0	9 ± 0.9
333.0	11 ± 0.9
1000.0	9 ± 1.8
3333.0	9 ± 2.1
6666.0	
10000.0	4 ± 2.0 ^x
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	564 ± 16.1
Positive Control ⁵	
Positive Control ⁶	

Experiment Number: A86767
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G06: Ames Summary Data
 Test Compound: Adipic acid
 CAS Number: 124-04-9

Date Report Requested: 09/18/2018
 Time Report Requested: 04:33:45

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	122 ± 10.0	163 ± 7.4	184 ± 4.6	156 ± 6.1	159 ± 6.1
100.0	135 ± 3.5	170 ± 8.7	182 ± 4.3	153 ± 11.9	171 ± 7.2
333.0	139 ± 5.4	155 ± 3.6	163 ± 11.1	158 ± 1.5	168 ± 9.0
1000.0	133 ± 4.8	154 ± 8.0	177 ± 8.2	150 ± 13.3	167 ± 9.3
3333.0	125 ± 3.8	138 ± 1.3	176 ± 9.3	151 ± 8.5	168 ± 7.5
6666.0		86 ± 5.6	123 ± 10.1		123 ± 5.2
10000.0	53 ± 11.4 ^s			111 ± 8.8 ^x	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					708 ± 11.2
Positive Control ³			821 ± 37.1		
Positive Control ⁴				959 ± 104.5	
Positive Control ⁷	585 ± 23.1	553 ± 16.4			

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G06: Ames Summary Data
Test Compound: Adipic acid
CAS Number: 124-04-9

Date Report Requested: 09/18/2018
Time Report Requested: 04:33:45

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	163 ± 3.2
100.0	178 ± 6.5
333.0	171 ± 13.3
1000.0	174 ± 8.1
3333.0	165 ± 19.7
6666.0	
10000.0	154 ± 17.2 ^x
Trial Summary	Negative
Positive Control ²	
Positive Control ³	929 ± 27.2
Positive Control ⁴	
Positive Control ⁷	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 2.0	15 ± 1.5	17 ± 2.2	20 ± 1.9	16 ± 1.2
100.0	19 ± 1.2	14 ± 1.5	14 ± 2.3	16 ± 2.2	13 ± 4.0
333.0	17 ± 1.2	14 ± 3.2	15 ± 2.1	20 ± 2.3	16 ± 0.9
1000.0	12 ± 2.2	11 ± 1.5	15 ± 1.7	18 ± 3.5	17 ± 3.8
3333.0	17 ± 0.6	18 ± 0.9	15 ± 1.2	20 ± 2.9	19 ± 0.3
6666.0		9 ± 2.7	8 ± 0.9		8 ± 1.2
10000.0	0 ± 0.0 ^x			0 ± 0.0 ^x	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					661 ± 40.8
Positive Control ³			685 ± 9.6		
Positive Control ⁸	460 ± 13.9				
Positive Control ⁴				652 ± 23.5	
Positive Control ⁹		519 ± 24.1			

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Test Compound: Adipic acid
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Date Report Requested: 09/18/2018
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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 2.6
100.0	19 ± 0.7
333.0	21 ± 3.5
1000.0	23 ± 3.3
3333.0	18 ± 1.8
6666.0	
10000.0	1 ± 0.7 ^x
Trial Summary	Negative
Positive Control ²	
Positive Control ³	905 ± 18.6
Positive Control ⁸	
Positive Control ⁴	
Positive Control ⁹	

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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 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

9: 50.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****