

Experiment Number: 854154

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

G06: Ames Summary Data

Test Compound: **Lauric acid diethanolamine condensate**

CAS Number: **120-40-1**

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

Time Report Requested: **09:07:14**

NTP Study Number:

854154

Study Result:

Negative

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Mutagenicity

G06: Ames Summary Data

Test Compound: Lauric acid diethanolamine condensate
CAS Number: 120-40-1

Date Report Requested: 09/16/2018

Time Report Requested: 09:07:14

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	105 ± 6.5	157 ± 4.5	179 ± 5.2	106 ± 3.8	168 ± 3.3
0.3			148 ± 10.4		
1.0		123 ± 9.4	150 ± 17.4		
3.0	121 ± 5.5	128 ± 12.7	145 ± 7.3		171 ± 8.1
10.0	127 ± 7.8	139 ± 8.0	149 ± 7.4	103 ± 2.4	162 ± 6.9
33.0	99 ± 3.0 ^s	16 ± 16.0 ^s	136 ± 10.5	98 ± 6.4	184 ± 7.4
66.0		Toxic			
100.0	Toxic			110 ± 5.7	147 ± 17.3
166.0					106 ± 15.7 ^s
333.0	Toxic			26 ± 5.0 ^s	
1000.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				541 ± 7.2	513 ± 2.6
Positive Control ³	647 ± 15.5	400 ± 4.3	475 ± 35.9		

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Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	168 ± 8.5	122 ± 8.4	150 ± 10.1	172 ± 13.0
0.3				
1.0	167 ± 3.2			158 ± 9.6
3.0	180 ± 9.0		144 ± 3.5	169 ± 13.9
10.0	157 ± 4.7	123 ± 11.3	137 ± 13.6	159 ± 14.0
33.0	161 ± 3.0	112 ± 1.8	154 ± 2.6	178 ± 7.2
66.0				
100.0	155 ± 11.3	115 ± 10.3	163 ± 1.2	169 ± 16.1
166.0			108 ± 13.6 ^S	
333.0		31 ± 3.5 ^S		
1000.0		Toxic		
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	509 ± 6.0	1599 ± 57.7	1555 ± 38.8	1814 ± 40.2
Positive Control ³				

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Test Compound: Lauric acid diethanolamine condensate
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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	27 ± 1.5	29 ± 1.2	19 ± 5.5	8 ± 1.5	7 ± 2.0
0.3			20 ± 4.1		
1.0		22 ± 1.7	20 ± 3.5		
3.0	26 ± 0.6	24 ± 1.0	13 ± 3.7		11 ± 0.6
10.0	26 ± 0.6	19 ± 2.3	15 ± 3.6	10 ± 0.7	8 ± 1.2
33.0	23 ± 3.7	17 ± 3.5	16 ± 1.9	10 ± 0.3	6 ± 0.6
66.0		0 ± 0.0 ^s			
100.0	Toxic			10 ± 2.0	6 ± 2.4
166.0					7 ± 3.0
333.0	Toxic			5 ± 0.7 ^s	
1000.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	666 ± 20.3	562 ± 14.7	413 ± 13.2		
Positive Control ⁴				340 ± 9.8	166 ± 12.5

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Test Compound: Lauric acid diethanolamine condensate
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Strain: TA1535

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	11 ± 4.3	8 ± 2.1	12 ± 2.0	11 ± 3.2
0.3				
1.0	14 ± 1.0			10 ± 1.9
3.0	11 ± 2.2		10 ± 1.2	10 ± 1.9
10.0	10 ± 2.2	6 ± 0.7	7 ± 2.0	6 ± 1.5
33.0	14 ± 0.9	5 ± 0.3	12 ± 2.9	8 ± 0.9
66.0				
100.0	14 ± 2.8	5 ± 0.3	8 ± 1.7	8 ± 3.7
166.0			11 ± 0.9	
333.0		2 ± 1.0 ^s		
1000.0		Toxic		
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³				
Positive Control ⁴	198 ± 31.6	518 ± 30.8	642 ± 21.8	581 ± 24.0

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Test Compound: Lauric acid diethanolamine condensate
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Date Report Requested: 09/16/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	175 ± 15.0	167 ± 1.7	140 ± 3.8	195 ± 10.4	194 ± 8.7
0.3			160 ± 6.7		
1.0		153 ± 5.5	157 ± 5.3		
3.0	164 ± 7.7	156 ± 4.9	159 ± 5.4		182 ± 12.9
10.0	178 ± 15.9	159 ± 7.2	162 ± 6.8	216 ± 2.3	174 ± 6.6
33.0	160 ± 5.5 ^s	33 ± 23.1 ^s	138 ± 13.8	202 ± 7.1	196 ± 20.5
66.0		Toxic			
100.0	Toxic			194 ± 19.5	158 ± 2.0
166.0					73 ± 10.7 ^s
333.0	Toxic			31 ± 11.6 ^s	
1000.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴				975 ± 1.8	883 ± 26.9
Positive Control ⁵	1837 ± 73.6	1205 ± 72.3	1420 ± 8.1		

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **Lauric acid diethanolamine condensate**

Time Report Requested: 09:07:14

CAS Number: 120-40-1

Strain: TA97

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	188 ± 9.0	159 ± 8.2	183 ± 1.9	174 ± 7.5
0.3				
1.0	199 ± 5.9			179 ± 3.2
3.0	191 ± 19.9		185 ± 5.5	183 ± 9.8
10.0	195 ± 6.5	160 ± 4.5	179 ± 8.1	178 ± 8.8
33.0	200 ± 14.2	140 ± 6.7	186 ± 7.5	189 ± 8.8
66.0				
100.0	142 ± 12.5	174 ± 8.5	182 ± 10.1	193 ± 10.0
166.0			159 ± 9.2 ^s	
333.0		18 ± 7.0 ^s		
1000.0		Toxic		
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴	442 ± 11.2	1885 ± 34.6	1406 ± 43.1	1351 ± 54.5
Positive Control ⁵				

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **Lauric acid diethanolamine condensate**
CAS Number: **120-40-1**Date Report Requested: **09/16/2018**Time Report Requested: **09:07:14****Strain: TA98**

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	22 ± 1.5	26 ± 1.0	31 ± 3.2	30 ± 1.7	37 ± 4.0
0.3			25 ± 2.6		
1.0		24 ± 2.3	18 ± 1.8		
3.0	21 ± 2.3	22 ± 2.7	21 ± 5.4		23 ± 8.9
10.0	16 ± 0.3	22 ± 0.9	23 ± 5.7	25 ± 0.6	45 ± 4.5
33.0	20 ± 0.9 ^s	12 ± 1.5 ^s	20 ± 2.0	24 ± 5.1	24 ± 2.3
66.0		0 ± 0.0 ^s			
100.0	Toxic			21 ± 1.9	30 ± 1.5
166.0					26 ± 1.5 ^s
333.0	Toxic			11 ± 1.5 ^s	
1000.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				313 ± 10.3	225 ± 12.0
Positive Control ⁶	1437 ± 18.1	1746 ± 18.6	1653 ± 83.6		

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Date Report Requested: 09/16/2018

Time Report Requested: 09:07:14

Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	37 ± 4.3	31 ± 3.0	39 ± 4.5	30 ± 3.7
0.3				
1.0	30 ± 2.2			33 ± 4.0
3.0	33 ± 2.8		36 ± 6.0	29 ± 1.5
10.0	34 ± 7.8	29 ± 0.9	34 ± 2.8	32 ± 1.9
33.0	26 ± 2.9	25 ± 3.8	30 ± 1.5	30 ± 5.0
66.0				
100.0	36 ± 3.3	19 ± 1.0	28 ± 3.4	32 ± 6.9
166.0			18 ± 1.8 ^s	
333.0		19 ± 0.9 ^s		
1000.0		Toxic		
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	169 ± 17.1	1603 ± 28.0	820 ± 77.4	926 ± 48.5
Positive Control ⁶				

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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: 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 ****