

Experiment Number: 251746

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

**G06: Ames Summary Data**

Test Compound: **Sodium dodecyl sulfate**

CAS Number: 151-21-3

Date Report Requested: **09/11/2018**

Time Report Requested: **02:01:02**

**NTP Study Number:**

251746

**Study Result:**

Negative

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Mutagenicity

## G06: Ames Summary Data

Test Compound: Sodium dodecyl sulfate

CAS Number: 151-21-3

Date Report Requested: 09/11/2018

Time Report Requested: 02:01:02

## 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>	124 ± 12.5	116 ± 5.2	152 ± 1.3	154 ± 2.2	122 ± 8.5
0.3	106 ± 2.7	128 ± 5.6			
1.0	122 ± 5.5	124 ± 11.8			
3.0	121 ± 4.4	106 ± 3.8			
10.0	110 ± 6.7	119 ± 2.5	146 ± 3.8	156 ± 7.5	137 ± 6.4
33.0	130 ± 4.7	107 ± 2.8	145 ± 1.9	150 ± 10.3	130 ± 2.3
100.0			138 ± 10.7	159 ± 1.2	114 ± 12.7
333.0			131 ± 11.6	160 ± 7.5	113 ± 5.8
1000.0			37 ± 7.0	115 ± 6.4	6 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					835 ± 28.6
Positive Control <sup>3</sup>			476 ± 17.2		
Positive Control <sup>4</sup>				474 ± 14.7	
Positive Control <sup>5</sup>	583 ± 39.3	400 ± 11.5			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	141 ± 7.6
0.3	
1.0	
3.0	
10.0	134 ± 4.7
33.0	130 ± 8.8
100.0	130 ± 10.3
333.0	115 ± 4.5
1000.0	90 ± 10.5
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	578 ± 21.2
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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Test Compound: Sodium dodecyl sulfate  
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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 <sup>1</sup>	9 ± 0.7	8 ± 0.3	14 ± 2.3	20 ± 3.0	11 ± 0.9
0.3	14 ± 2.7	10 ± 1.2			
1.0	9 ± 1.0	7 ± 0.6			
3.0	8 ± 0.3	4 ± 0.3			
10.0	9 ± 1.2	8 ± 1.2	8 ± 0.3	12 ± 1.9	9 ± 2.3
33.0	8 ± 0.9	5 ± 0.9	7 ± 0.3	13 ± 3.8	10 ± 1.3
100.0			9 ± 2.4	12 ± 4.1	8 ± 1.3
333.0			10 ± 1.0	13 ± 1.3	8 ± 1.3
1000.0			5 ± 1.7	13 ± 2.3	3 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					78 ± 4.6
Positive Control <sup>4</sup>			70 ± 3.5		
Positive Control <sup>5</sup>	585 ± 19.9	343 ± 67.7			
Positive Control <sup>6</sup>				106 ± 10.8	

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**G06: Ames Summary Data**

Test Compound: **Sodium dodecyl sulfate**

CAS Number: 151-21-3

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	10 ± 1.5
0.3	
1.0	
3.0	
10.0	13 ± 3.0
33.0	7 ± 0.6
100.0	15 ± 2.3
333.0	9 ± 1.8
1000.0	10 ± 2.2
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	256 ± 24.9
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	

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## G06: Ames Summary Data

Test Compound: Sodium dodecyl sulfate  
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## 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>	176 ± 10.7	198 ± 12.2	196 ± 17.6	220 ± 3.8	195 ± 14.2
0.3	187 ± 6.1	183 ± 5.8			
1.0	185 ± 1.5	178 ± 12.8			
3.0	195 ± 9.5	209 ± 7.4			
10.0	201 ± 4.8	211 ± 7.7	193 ± 4.7	251 ± 6.7	194 ± 13.8
33.0	201 ± 6.1	183 ± 9.2	199 ± 14.0	244 ± 11.1	205 ± 6.4
100.0			202 ± 19.3	225 ± 25.9	180 ± 3.9
333.0			201 ± 8.7	262 ± 15.0	199 ± 10.8
1000.0			58 ± 16.5	237 ± 15.5	38 ± 13.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					504 ± 7.1
Positive Control <sup>3</sup>			347 ± 5.3		
Positive Control <sup>4</sup>				378 ± 19.7	
Positive Control <sup>7</sup>	554 ± 8.3	364 ± 16.4			

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	184 ± 0.7
0.3	
1.0	
3.0	
10.0	189 ± 15.3
33.0	195 ± 6.1
100.0	213 ± 4.8
333.0	210 ± 10.5
1000.0	169 ± 25.4
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	426 ± 12.7
Positive Control <sup>4</sup>	
Positive Control <sup>7</sup>	

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## G06: Ames Summary Data

Test Compound: Sodium dodecyl sulfate

CAS Number: 151-21-3

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Time Report Requested: 02:01:02

## 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>	20 ± 2.6	15 ± 3.5	22 ± 2.3	27 ± 5.7	22 ± 1.5
0.3	20 ± 3.8	20 ± 3.5			
1.0	21 ± 2.8	15 ± 4.6			
3.0	25 ± 2.8	21 ± 1.5			
10.0	22 ± 2.9	17 ± 1.2	17 ± 0.7	27 ± 3.8	22 ± 2.7
33.0	25 ± 1.2	17 ± 2.0	23 ± 2.9	22 ± 0.6	24 ± 2.3
100.0			24 ± 3.5	32 ± 2.3	16 ± 2.0
333.0			20 ± 3.5	23 ± 2.4	16 ± 2.3
1000.0			8 ± 1.7	21 ± 5.9	9 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					607 ± 60.3
Positive Control <sup>3</sup>			299 ± 9.2	121 ± 11.4	
Positive Control <sup>8</sup>	474 ± 17.3	380 ± 9.0			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	18 ± 2.1
0.3	
1.0	
3.0	
10.0	24 ± 2.6
33.0	29 ± 1.5
100.0	24 ± 2.4
333.0	24 ± 8.8
1000.0	21 ± 0.7
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	430 ± 0.3
Positive Control <sup>8</sup>	

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**LEGEND**

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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: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

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