

Experiment Number: 455562

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

G06: Ames Summary Data

Test Compound: **Crystal violet lactone**

CAS Number: 1552-42-7

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

Time Report Requested: **04:15:30**

NTP Study Number:

455562

Study Result:

Negative

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Mutagenicity

G06: Ames Summary Data

Test Compound: Crystal violet lactone

CAS Number: 1552-42-7

Date Report Requested: 09/11/2018

Time Report Requested: 04:15:30

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	94 ± 8.5	98 ± 8.4	114 ± 6.9	136 ± 7.0	114 ± 11.1
10.0		88 ± 5.6			
33.0		93 ± 4.0	137 ± 9.3	119 ± 15.1	125 ± 10.7
100.0	101 ± 1.2	88 ± 7.9	116 ± 4.7	135 ± 7.8	121 ± 9.9
333.0	107 ± 5.0	86 ± 2.4	123 ± 3.8	147 ± 6.4	124 ± 5.6
1000.0	104 ± 8.2 ^p	77 ± 10.2 ^p	140 ± 2.0 ^p	145 ± 8.7 ^p	111 ± 2.8 ^p
3333.0	79 ± 9.9 ^p		110 ± 6.8 ^p	104 ± 8.2 ^p	108 ± 8.9 ^p
10000.0	73 ± 6.8 ^p				
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					678 ± 43.5
Positive Control ³			349 ± 3.2		
Positive Control ⁴				382 ± 17.5	
Positive Control ⁵	551 ± 5.8	407 ± 19.0			

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Date Report Requested: 09/11/2018

Time Report Requested: 04:15:30

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	127 ± 1.7
10.0	
33.0	124 ± 1.2
100.0	138 ± 6.4
333.0	157 ± 4.7
1000.0	162 ± 5.5 ^p
3333.0	148 ± 4.9 ^p
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	545 ± 30.1
Positive Control ⁴	
Positive Control ⁵	

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Test Compound: Crystal violet lactone

CAS Number: 1552-42-7

Date Report Requested: 09/11/2018

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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	10 ± 1.5	9 ± 0.3	6 ± 1.2	13 ± 1.2	8 ± 2.1
10.0	9 ± 3.0	6 ± 0.7			
33.0	8 ± 1.5	6 ± 1.5	8 ± 0.9	12 ± 3.2	8 ± 0.3
100.0	10 ± 2.6	4 ± 1.5	4 ± 0.6	10 ± 2.2	6 ± 1.7
333.0	6 ± 0.3	8 ± 2.3	7 ± 1.0	8 ± 2.2	7 ± 1.2
1000.0	8 ± 1.7 ^p	6 ± 0.6 ^p	5 ± 1.0 ^p	7 ± 2.2 ^p	5 ± 1.0 ^p
3333.0			8 ± 1.2 ^p	8 ± 1.5 ^p	7 ± 0.7 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					116 ± 4.1
Positive Control ⁴			88 ± 2.3		
Positive Control ⁵	433 ± 28.3	193 ± 23.3			
Positive Control ⁶				77 ± 6.7	

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Test Compound: Crystal violet lactone
CAS Number: 1552-42-7

Date Report Requested: 09/11/2018
Time Report Requested: 04:15:30

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 2.3
10.0	
33.0	9 ± 1.3
100.0	9 ± 1.8
333.0	8 ± 1.2
1000.0	7 ± 1.8 ^p
3333.0	9 ± 1.5 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	126 ± 8.4
Positive Control ⁵	
Positive Control ⁶	

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G06: Ames Summary Data

Test Compound: Crystal violet lactone

CAS Number: 1552-42-7

Date Report Requested: 09/11/2018

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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 ¹	163 ± 9.0	151 ± 11.2	171 ± 6.1	164 ± 13.7	136 ± 3.2
10.0	159 ± 7.5	120 ± 8.3			
33.0	165 ± 0.9	111 ± 7.2	159 ± 15.6	163 ± 14.7	137 ± 5.5
100.0	165 ± 2.3	100 ± 3.8	155 ± 6.0	161 ± 5.8	128 ± 1.2
333.0	172 ± 3.8	125 ± 13.8	165 ± 7.9	155 ± 1.3	136 ± 6.9
1000.0	84 ± 11.8 ^p	144 ± 3.0 ^p	173 ± 9.5 ^p	163 ± 4.0 ^p	132 ± 15.1 ^p
3333.0			139 ± 7.2 ^p	148 ± 6.7 ^p	130 ± 8.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					474 ± 18.0
Positive Control ³			359 ± 11.7		
Positive Control ⁴				349 ± 13.6	
Positive Control ⁷	317 ± 10.3	673 ± 90.3			

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Test Compound: Crystal violet lactone
CAS Number: 1552-42-7

Date Report Requested: 09/11/2018
Time Report Requested: 04:15:30

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	158 ± 1.3
10.0	
33.0	167 ± 14.7
100.0	170 ± 2.6
333.0	169 ± 9.3
1000.0	161 ± 7.0 ^P
3333.0	153 ± 17.7 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	344 ± 15.9
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	22 ± 1.2	17 ± 3.5	18 ± 3.2	19 ± 3.0	18 ± 3.5
10.0		16 ± 1.3			
33.0		21 ± 1.9	20 ± 3.3	23 ± 2.8	18 ± 2.9
100.0	15 ± 1.2	16 ± 4.4	23 ± 3.5	29 ± 2.0	19 ± 0.3
333.0	14 ± 2.1	14 ± 2.5	22 ± 2.5	26 ± 0.9	18 ± 0.9
1000.0	15 ± 2.2 ^p	5 ± 1.7 ^p	16 ± 4.2 ^p	21 ± 1.2 ^p	11 ± 2.6 ^p
3333.0	7 ± 1.3 ^p		11 ± 2.6 ^p	24 ± 2.4 ^p	14 ± 2.0 ^p
10000.0	8 ± 1.2 ^p				
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					566 ± 25.9
Positive Control ³			212 ± 17.6	103 ± 6.0	
Positive Control ⁸	980 ± 21.3	828 ± 22.3			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	20 ± 3.1
10.0	
33.0	23 ± 3.3
100.0	23 ± 3.3
333.0	19 ± 3.8
1000.0	24 ± 1.3 ^p
3333.0	22 ± 3.7 ^p
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	386 ± 27.2
Positive Control ⁸	

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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: 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
- p: Precipitate

**** END OF REPORT ****