

Experiment Number: **046496**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct violet 32**

CAS Number: **6428-94-0**

Date Report Requested: **09/15/2018**

Time Report Requested: **01:50:27**

NTP Study Number:

046496

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	111 ± 4.8	152 ± 8.6	108 ± 2.6	151 ± 1.7	104 ± 4.5
100.0	114 ± 3.2	157 ± 6.1	112 ± 5.8	152 ± 9.8	90 ± 3.2
333.0	119 ± 5.3	158 ± 1.5	113 ± 5.8	144 ± 2.8	107 ± 3.0
1000.0	107 ± 4.3	124 ± 10.5	104 ± 3.2	142 ± 11.2	105 ± 5.8
3333.0	116 ± 2.2	162 ± 9.7	95 ± 3.3	116 ± 6.8 ^p	96 ± 1.5
10000.0	98 ± 2.5 ^p	93 ± 10.9 ^p	113 ± 7.3	79 ± 4.8	121 ± 7.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1011 ± 18.3
Positive Control ³			1878 ± 59.6		
Positive Control ⁴				922 ± 18.4	
Positive Control ⁵	1219 ± 22.5	719 ± 41.0			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	144 ± 4.9
100.0	154 ± 11.9
333.0	170 ± 8.2
1000.0	166 ± 1.5
3333.0	147 ± 12.0 ^P
10000.0	103 ± 3.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1328 ± 74.3
Positive Control ⁵	

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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	27 ± 3.0	37 ± 3.8	8 ± 2.2	23 ± 3.2	10 ± 1.3
100.0	22 ± 2.0	39 ± 2.1	10 ± 1.3	28 ± 1.7	15 ± 2.3
333.0	23 ± 4.4	34 ± 1.9	11 ± 1.2	27 ± 1.9	15 ± 1.5
1000.0	23 ± 2.3	27 ± 2.6	11 ± 2.0	22 ± 1.2	8 ± 2.3
3333.0	24 ± 1.5	24 ± 0.3	14 ± 1.2	19 ± 2.5 ^p	9 ± 0.9
10000.0	21 ± 2.6 ^p	23 ± 3.5 ^p	15 ± 3.3	16 ± 2.3	10 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					72 ± 0.6
Positive Control ³			93 ± 3.6		
Positive Control ⁴				143 ± 6.7	
Positive Control ⁵	886 ± 14.8	970 ± 6.4			

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	43 ± 1.2
100.0	31 ± 0.3
333.0	42 ± 2.9
1000.0	39 ± 1.7
3333.0	36 ± 2.2 ^P
10000.0	25 ± 1.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	305 ± 1.8
Positive Control ⁵	

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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	117 ± 12.3	116 ± 10.4	77 ± 19.4	166 ± 5.5	115 ± 6.5
100.0	106 ± 7.4	124 ± 4.4	87 ± 31.7	150 ± 0.9	115 ± 7.3
333.0	108 ± 9.5	113 ± 2.8	108 ± 4.5	141 ± 11.1	114 ± 4.7
1000.0	94 ± 6.7	89 ± 2.7	75 ± 11.7	125 ± 6.5	108 ± 4.7
3333.0	103 ± 5.8	93 ± 8.1	76 ± 11.7	116 ± 8.8 ^P	103 ± 7.0
10000.0	93 ± 9.2	71 ± 4.7 ^P	105 ± 6.9	89 ± 4.4	94 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					568 ± 17.7
Positive Control ³			929 ± 33.5		
Positive Control ⁴				758 ± 46.3	
Positive Control ⁶	2250 ± 118.0	929 ± 208.7			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	134 ± 7.7
100.0	149 ± 9.0
333.0	147 ± 3.2
1000.0	150 ± 11.7
3333.0	121 ± 4.5 ^P
10000.0	93 ± 4.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1418 ± 129.2
Positive Control ⁶	

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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	14 ± 3.2	18 ± 2.3	30 ± 3.6	47 ± 1.7	29 ± 2.6
100.0	16 ± 2.3	14 ± 1.0	28 ± 7.9	38 ± 0.6	25 ± 0.7
333.0	9 ± 2.0	15 ± 2.1	36 ± 2.1	42 ± 2.7	31 ± 0.7
1000.0	10 ± 1.7	16 ± 2.9	27 ± 1.5	36 ± 1.2	28 ± 0.0
3333.0	14 ± 1.3	18 ± 2.1	29 ± 0.0	31 ± 0.6	28 ± 3.6
10000.0	18 ± 1.2 ^P	16 ± 2.1	32 ± 0.7	29 ± 2.2	25 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					830 ± 44.9
Positive Control ³			1331 ± 20.3		
Positive Control ⁴				695 ± 12.0	
Positive Control ⁷	1752 ± 21.2	1816 ± 21.4			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	40 ± 2.9
100.0	38 ± 0.6
333.0	34 ± 2.0
1000.0	28 ± 2.8
3333.0	26 ± 2.4
10000.0	25 ± 6.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1023 ± 41.7
Positive Control ⁷	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****