

Experiment Number: 629414

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Disperse blue 27

CAS Number: 15791-78-3

Date Report Requested: 09/10/2018

Time Report Requested: 17:16:51

NTP Study Number:

629414

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	101 ± 6.1	84 ± 7.1	99 ± 7.9	94 ± 6.0	114 ± 10.5
10.0		104 ± 11.0		94 ± 7.2	
100.0	189 ± 6.1	131 ± 5.8	170 ± 2.0	125 ± 3.3	153 ± 8.8
333.0	237 ± 1.7	157 ± 2.9	207 ± 16.4	171 ± 8.7	167 ± 2.1
1000.0	297 ± 18.6	205 ± 2.8	264 ± 15.5	211 ± 7.8	231 ± 5.8
3333.0	304 ± 2.7 ^P		275 ± 19.0 ^P		305 ± 8.4 ^P
10000.0	333 ± 19.8 ^P	286 ± 15.1 ^P	400 ± 5.5 ^X	399 ± 8.7 ^X	338 ± 8.3 ^X
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	391 ± 6.7	358 ± 19.5			
Positive Control ³					1374 ± 20.9
Positive Control ⁴			514 ± 27.8	459 ± 53.2	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	89 ± 3.6
10.0	103 ± 6.7
100.0	123 ± 5.5
333.0	173 ± 8.2
1000.0	179 ± 12.5
3333.0	
10000.0	366 ± 14.8 ^x
Trial Summary	Positive
Positive Control ²	
Positive Control ³	689 ± 68.4
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 0.3	16 ± 3.8	30 ± 2.0	21 ± 1.5	32 ± 2.1
10.0		23 ± 1.9		26 ± 0.7	
100.0	35 ± 0.3	44 ± 2.0	56 ± 6.4	64 ± 5.5	69 ± 4.4
333.0	52 ± 5.0	58 ± 2.4	103 ± 5.5	99 ± 3.8	124 ± 5.6
1000.0	75 ± 6.0	68 ± 2.9	135 ± 6.3	171 ± 18.5	179 ± 7.1
3333.0	103 ± 6.0 ^p		167 ± 4.4 ^p		245 ± 15.6 ^p
10000.0	153 ± 2.1 ^p	214 ± 13.3 ^p	235 ± 1.5 ^x	162 ± 15.1 ^x	262 ± 12.6 ^x
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁵					542 ± 8.4
Positive Control ³			193 ± 5.1	150 ± 5.7	
Positive Control ⁶	152 ± 2.2	198 ± 1.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 4.7
10.0	28 ± 3.5
100.0	56 ± 0.7
333.0	103 ± 10.2
1000.0	137 ± 2.0
3333.0	
10000.0	269 ± 9.1 ^x
Trial Summary	Positive
Positive Control ⁵	57 ± 2.8
Positive Control ³	
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: Water

2: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

x: Slight Toxicity and Precipitate

**** END OF REPORT ****