

Experiment Number: A19368

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Bromopropane

CAS Number: 75-26-3

Date Report Requested: 09/16/2018

Time Report Requested: 09:29:11

NTP Study Number:

A19368

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	127 ± 2.9	109 ± 3.8	142 ± 19.6	103 ± 5.6	128 ± 7.3
100.0	164 ± 7.8	126 ± 5.2	134 ± 7.2	139 ± 3.3	142 ± 6.5
333.0	206 ± 26.7	148 ± 7.0	180 ± 3.2	173 ± 5.2	209 ± 10.2
1000.0	305 ± 20.2	253 ± 4.3	276 ± 4.4	200 ± 25.0	339 ± 24.4
2000.0		304 ± 8.7		101 ± 13.9	
3333.0	166 ± 21.7	228 ± 15.9	194 ± 24.3	74 ± 0.3 ^s	122 ± 20.1
10000.0	120 ± 11.5 ^s		117 ± 1.8 ^s		93 ± 6.5 ^s
Trial Summary	Positive	Positive	Positive	Negative	Positive
Positive Control ²	747 ± 44.9	235 ± 6.4			
Positive Control ³					650 ± 28.7
Positive Control ⁴			870 ± 30.9	226 ± 5.6	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	108 ± 7.7
100.0	144 ± 8.4
333.0	196 ± 14.1
1000.0	255 ± 73.2
2000.0	147 ± 23.2
3333.0	101 ± 2.7 ^s
10000.0	
Trial Summary	Positive
Positive Control ²	
Positive Control ³	490 ± 3.5
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	20 ± 1.2	25 ± 2.6	28 ± 2.3
100.0	18 ± 1.9	29 ± 1.3	18 ± 1.0
333.0	23 ± 2.9	26 ± 1.0	14 ± 5.1
1000.0	19 ± 0.9	20 ± 1.3	20 ± 1.5
3333.0	17 ± 3.3	19 ± 2.8	17 ± 1.3
10000.0	7 ± 0.3 ^s	10 ± 1.7 ^s	16 ± 0.6 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ³		335 ± 3.4	465 ± 33.8
Positive Control ⁵	357 ± 29.1		

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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 Sodium Azide
 - 3: 1.0 ug/Plate 2-Aminoanthracene
 - 4: 2.0 ug/Plate 2-Aminoanthracene
 - 5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

** END OF REPORT **