

Experiment Number: 406801

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1-Chloro-2-bromoethane

CAS Number: 107-04-0

Date Report Requested: 09/14/2018

Time Report Requested: 22:28:48

NTP Study Number:

406801

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	100 ± 10.7	95 ± 9.9	129 ± 3.5	134 ± 6.4	99 ± 5.0
33.0	113 ± 12.1	105 ± 3.3			
100.0	130 ± 13.0	115 ± 31.0		175 ± 6.7	149 ± 3.5
200.0	148 ± 10.0	127 ± 7.0			
333.0	168 ± 17.2	146 ± 2.0	231 ± 6.0	232 ± 10.7	225 ± 13.3
667.0	213 ± 25.2	204 ± 0.6	283 ± 1.7	311 ± 13.0	314 ± 7.8
1000.0			353 ± 20.2	375 ± 16.5	390 ± 7.0
1500.0			412 ± 10.0		
2000.0			432 ± 8.6	403 ± 52.7	472 ± 35.1
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	400 ± 8.3	505 ± 10.5	430 ± 8.9		
Positive Control ³					723 ± 25.8
Positive Control ⁴				457 ± 46.2	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	105 ± 2.1	98 ± 4.6
33.0		
100.0	173 ± 3.2	136 ± 7.9
200.0		
333.0	240 ± 19.3	195 ± 11.3
667.0	297 ± 8.4	278 ± 9.2
1000.0	335 ± 18.3	333 ± 12.0
1500.0		
2000.0	490 ± 22.0	441 ± 20.3
Trial Summary	Positive	Positive
Positive Control ²		
Positive Control ³	517 ± 19.6	826 ± 43.0
Positive Control ⁴		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	18 ± 2.7	15 ± 2.3	22 ± 1.5	21 ± 1.9	21 ± 2.5
33.0	15 ± 0.3	18 ± 1.5			
100.0	19 ± 3.9	28 ± 3.1		24 ± 3.0	15 ± 1.2
200.0	27 ± 1.7	27 ± 1.0			
333.0	27 ± 3.7	34 ± 3.7	31 ± 0.7	23 ± 0.3	19 ± 2.8
667.0	33 ± 2.3	30 ± 3.7	35 ± 4.2	24 ± 1.0	24 ± 2.9
1000.0			39 ± 2.5	29 ± 5.5	23 ± 0.5
1500.0			45 ± 4.4		
2000.0			47 ± 5.2	31 ± 2.0	24 ± 2.4
Trial Summary	Equivocal	Positive	Positive	Negative	Negative
Positive Control ³				964 ± 72.6	394 ± 8.4
Positive Control ⁵	278 ± 18.3	379 ± 22.8	264 ± 8.1		

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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

**** END OF REPORT ****