

Experiment Number: 529327

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

G06: Ames Summary Data

Test Compound: **1,2-Dibromoethane**

CAS Number: **106-93-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **23:30:25**

NTP Study Number:

529327

Study Result:

Positive

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Test Compound: 1,2-Dibromoethane

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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	130 ± 6.7	92 ± 1.7	139 ± 7.0	90 ± 9.5	117 ± 2.2
3.3	136 ± 2.0	93 ± 2.5	151 ± 6.0	101 ± 8.6	116 ± 4.8
33.0	168 ± 5.8	151 ± 12.7	174 ± 6.8	149 ± 6.5	140 ± 11.3
100.0	246 ± 1.7	238 ± 13.9	229 ± 10.5	245 ± 2.6	223 ± 5.4
333.0	402 ± 16.5	369 ± 12.3	326 ± 7.7	445 ± 20.9	369 ± 5.9
1000.0	496 ± 9.2	650 ± 43.6	573 ± 32.3	702 ± 52.3	473 ± 18.6
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	458 ± 6.4	423 ± 14.7			
Positive Control ³					824 ± 37.6
Positive Control ⁴			1179 ± 13.3	1094 ± 80.2	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	128 ± 14.9
3.3	112 ± 3.5
33.0	169 ± 8.7
100.0	226 ± 10.7
333.0	368 ± 22.0
1000.0	573 ± 26.1
Trial Summary	Positive
Positive Control ²	
Positive Control ³	704 ± 22.3
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	21 ± 2.8	16 ± 1.7	34 ± 2.5	25 ± 3.0	36 ± 2.3
3.3	23 ± 1.7	15 ± 2.6	32 ± 3.9	24 ± 2.4	30 ± 3.2
33.0	29 ± 2.6	24 ± 0.3	39 ± 1.2	35 ± 4.1	33 ± 1.5
100.0	43 ± 2.7	39 ± 2.4	39 ± 4.6	42 ± 4.3	41 ± 2.1
333.0	67 ± 4.8	63 ± 1.7	61 ± 9.8	60 ± 3.6	62 ± 3.2
1000.0	65 ± 2.0	85 ± 7.1	96 ± 7.0	82 ± 6.7	88 ± 8.7
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³			347 ± 12.7	322 ± 4.4	416 ± 24.4
Positive Control ⁵	240 ± 18.2	304 ± 15.5			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 2.0
3.3	23 ± 2.4
33.0	34 ± 2.3
100.0	37 ± 4.3
333.0	98 ± 1.7
1000.0	153 ± 14.5
Trial Summary	Positive
Positive Control ³	594 ± 91.7
Positive Control ⁵	

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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 ****