

Experiment Number: 331965

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

G06: Ames Summary Data

Test Compound: **Vinyl bromide**

CAS Number: **593-60-2**

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

Time Report Requested: **17:03:15**

NTP Study Number:

331965

Study Result:

Positive

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Test Compound: Vinyl bromide

CAS Number: 593-60-2

Date Report Requested: 09/12/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	144 ± 6.8	108 ± 5.9	149 ± 7.4	133 ± 7.3	180 ± 5.2
0.0		136 ± 3.3	193 ± 13.0		184 ± 15.1
	188 ± 6.1	282 ± 6.2	1199 ± 12.1	1644 ± 85.8	0.001
307 ± 4.1	756 ± 16.6		337 ± 0.3	1946 ± 28.0	0.002
502 ± 41.0	936 ± 22.6	2232 ± 31.1	456 ± 11.3	2307 ± 26.2	0.007
649 ± 6.2	1079 ± 6.4	2133 ± 44.9	613 ± 17.1	1874 ± 51.0	0.013
		503 ± 55.7			0.02
		0 ± 0.0 ^s			1.0
		0 ± 0.0 ^s			
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	374 ± 15.0	283 ± 11.1			
Positive Control ³					
Positive Control ⁴			708 ± 11.9	267 ± 12.1	667 ± 32.2

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	132 ± 5.8	149 ± 11.5	184 ± 6.4
0.0	244 ± 0.3	482 ± 23.7	573 ± 23.7
		245 ± 12.8	
307 ± 4.1	560 ± 4.4	382 ± 17.7	939 ± 32.5
502 ± 41.0	814 ± 40.7	522 ± 8.3	987 ± 49.9
649 ± 6.2	322 ± 30.3		488 ± 4.1
	0 ± 0.0 ^s		0 ± 0.0 ^s
	0 ± 0.0 ^s		0 ± 0.0 ^s
Trial Summary	Positive	Positive	Positive
Positive Control ²			
Positive Control ³	1250 ± 36.4	725 ± 32.9	684 ± 55.0
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	12 ± 2.4	15 ± 1.9	22 ± 4.1	15 ± 2.6	20 ± 2.1
0.0		10 ± 1.8	7 ± 0.3		14 ± 1.0
13 ± 1.9	19 ± 2.1	32 ± 1.7	42 ± 0.6	0.001	
18 ± 5.2		17 ± 2.6	59 ± 1.9	0.002	13 ± 1.0
17 ± 1.5	81 ± 8.5	15 ± 5.4	80 ± 4.9	0.007	12 ± 2.4
10 ± 2.4	80 ± 4.4	14 ± 2.3	67 ± 0.3	0.013	0 ± 0.0
	0 ± 0.0		2 ± 0.9 ^s	0.02	0 ± 0.0 ^s
	0 ± 0.0 ^s			1.0	0 ± 0.0 ^s
	0 ± 0.0 ^s				
Trial Summary	Negative	Negative	Negative	Negative	Positive
Positive Control ³			387 ± 7.8	115 ± 10.3	980 ± 16.2
Positive Control ⁵	361 ± 11.5	256 ± 22.2			

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Test Compound: Vinyl bromide
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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	17 ± 0.9	24 ± 2.2
0.0	13 ± 3.2	
13 ± 1.9	14 ± 1.5	
18 ± 5.2	11 ± 2.4	37 ± 4.1
17 ± 1.5	10 ± 3.8	15 ± 1.2
10 ± 2.4		2 ± 0.3
		0 ± 0.0 ^s
		0 ± 0.0 ^s
Trial Summary	Negative	Positive
Positive Control ³	672 ± 22.8	473 ± 24.0
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: Air

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 ****