

Experiment Number: 119335
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Styrene oxide
CAS Number: 96-09-3

Date Report Requested: 09/12/2018
Time Report Requested: 01:37:36

NTP Study Number: 119335
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	111 ± 9.0	155 ± 13.9	165 ± 4.9	164 ± 6.1	152 ± 15.0
33.0	122 ± 7.1	182 ± 7.5			
100.0	248 ± 7.0	227 ± 24.7	164 ± 14.9	170 ± 4.2	167 ± 19.1
166.0	302 ± 11.3	315 ± 30.1			
333.0	402 ± 9.6	483 ± 16.7	201 ± 4.1	235 ± 13.2	187 ± 5.9
666.0	586 ± 11.6	628 ± 3.5			
1000.0			404 ± 38.6	328 ± 15.9	248 ± 22.8
1666.0			453 ± 12.1	357 ± 31.4	
3333.0			585 ± 15.2	574 ± 37.8	272 ± 122.8 ^s
6666.0					58 ± 30.3 ^s
Trial Summary	Positive	Positive	Positive	Positive	Weakly Positive
Positive Control ²					702 ± 25.3
Positive Control ³	385 ± 4.8	364 ± 13.9			
Positive Control ⁴			457 ± 8.5	552 ± 38.9	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	136 ± 15.4
33.0	146 ± 9.2
100.0	144 ± 5.2
166.0	
333.0	149 ± 11.2
666.0	
1000.0	206 ± 20.7
1666.0	289 ± 46.2
3333.0	
6666.0	
Trial Summary	Weakly Positive
Positive Control ²	746 ± 27.8
Positive Control ³	
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	16 ± 2.8	30 ± 4.6	32 ± 5.9
33.0	17 ± 3.9		
100.0	16 ± 1.3	24 ± 3.0	29 ± 1.2
166.0	25 ± 2.2		
333.0	26 ± 3.3	32 ± 3.2	26 ± 2.9
666.0	24 ± 2.0		
1000.0		27 ± 3.3	31 ± 0.9
1666.0		26 ± 1.0	
3333.0		22 ± 3.8 ^S	34 ± 1.9
6666.0			0 ± 0.0 ^S
Trial Summary	Negative	Negative	Negative
Positive Control ²		110 ± 9.8	318 ± 18.8
Positive Control ⁵	579 ± 24.4		

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****