

Experiment Number: 951776

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

G06: Ames Summary Data

Test Compound: **Polyvinylchloride latex**

CAS Number: **9002-86-2**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:12:48**

NTP Study Number:

951776

Study Result:

Negative

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Test Compound: Polyvinylchloride latex
CAS Number: 9002-86-2

Date Report Requested: 09/17/2018

Time Report Requested: 17:12:48

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	128 ± 4.3	82 ± 4.8	135 ± 9.0	97 ± 10.8	143 ± 2.0
100.0	106 ± 5.7	84 ± 5.6	138 ± 1.3	89 ± 5.9	150 ± 12.3
333.0	119 ± 3.5	81 ± 10.5	125 ± 10.1	103 ± 15.4	132 ± 19.9
1000.0	113 ± 8.5	102 ± 9.1	144 ± 9.3	106 ± 2.1	146 ± 9.2
3333.0	111 ± 4.4 ^P	87 ± 15.1 ^P	135 ± 2.6 ^P	103 ± 2.5 ^P	134 ± 11.4 ^P
10000.0	104 ± 21.7 ^P	84 ± 9.4 ^P	111 ± 6.8 ^P	106 ± 9.0 ^P	129 ± 15.5 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	237 ± 8.1	215 ± 9.8			
Positive Control ³			755 ± 51.6	292 ± 9.2	1355 ± 47.8

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	99 ± 12.9
100.0	89 ± 10.0
333.0	90 ± 1.9
1000.0	96 ± 11.8
3333.0	103 ± 9.3 ^p
10000.0	99 ± 8.2 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	245 ± 18.7

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 1.5	21 ± 2.6	11 ± 3.7	13 ± 1.5	5 ± 1.7
100.0	7 ± 1.5	23 ± 1.9	10 ± 1.9	8 ± 2.6	6 ± 1.2
333.0	10 ± 0.9	26 ± 2.3	8 ± 1.9	5 ± 1.2	4 ± 1.2
1000.0	8 ± 1.2	26 ± 3.5	6 ± 1.2	11 ± 1.0	7 ± 2.9
3333.0	8 ± 1.7 ^p	21 ± 3.5 ^p	5 ± 2.4 ^p	12 ± 2.1 ^p	5 ± 1.8 ^p
10000.0	4 ± 1.0 ^p	23 ± 2.0 ^p	5 ± 1.0 ^p	13 ± 1.8 ^p	4 ± 0.6 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	167 ± 8.8	190 ± 10.3			
Positive Control ⁴			208 ± 12.6	84 ± 8.9	347 ± 37.3

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	7 ± 1.2
100.0	13 ± 3.0
333.0	10 ± 1.9
1000.0	10 ± 0.0
3333.0	12 ± 5.2 ^p
10000.0	11 ± 1.8 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	47 ± 6.9

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	137 ± 7.5	154 ± 4.3	203 ± 5.8	233 ± 18.8	134 ± 10.2
100.0	93 ± 22.0	145 ± 10.8	144 ± 17.5	228 ± 32.4	132 ± 3.0
333.0	128 ± 9.0	168 ± 4.4	164 ± 23.5	196 ± 19.7	149 ± 6.4
1000.0	144 ± 5.6	185 ± 12.1	156 ± 17.9	196 ± 39.6	152 ± 6.1
3333.0	136 ± 6.1 ^P	127 ± 26.2 ^P	139 ± 11.3 ^P	176 ± 20.5 ^P	133 ± 16.8 ^P
10000.0	83 ± 22.8 ^P	104 ± 4.6 ^P	149 ± 17.0 ^P	169 ± 14.2 ^P	137 ± 7.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			853 ± 21.2	1755 ± 20.6	1514 ± 84.2
Positive Control ⁵		1151 ± 94.6			
Positive Control ⁶	1019 ± 122.8				

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	218 ± 8.1
100.0	206 ± 4.6
333.0	227 ± 9.9
1000.0	233 ± 7.6
3333.0	195 ± 16.8 ^P
10000.0	201 ± 25.1 ^P
Trial Summary	Negative
Positive Control ⁴	1531 ± 79.7
Positive Control ⁵	
Positive Control ⁶	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.8	10 ± 1.2	17 ± 5.5	20 ± 3.8	23 ± 1.0
100.0	13 ± 2.6	18 ± 3.2	20 ± 3.2	21 ± 2.3	31 ± 3.0
333.0	8 ± 1.8	24 ± 5.5	21 ± 1.5	20 ± 0.6	25 ± 2.4
1000.0	9 ± 0.9	19 ± 1.7	21 ± 4.2	27 ± 7.9	21 ± 2.0
3333.0	3 ± 1.2 ^p	13 ± 1.9 ^p	8 ± 1.9 ^p	19 ± 3.2 ^p	15 ± 2.5 ^p
10000.0	3 ± 2.0 ^p	17 ± 3.2 ^p	4 ± 0.9 ^p	25 ± 1.0 ^p	10 ± 1.9 ^p
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ³			426 ± 28.3	221 ± 21.7	764 ± 72.1
Positive Control ⁷	499 ± 20.7	550 ± 19.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	20 ± 0.9
100.0	13 ± 3.7
333.0	16 ± 1.9
1000.0	21 ± 3.1
3333.0	12 ± 3.6 ^p
10000.0	19 ± 1.9 ^p
Trial Summary	Negative
Positive Control ³	146 ± 8.9
Positive Control ⁷	

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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 Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 2-Aminoanthracene
- 6: 50.0 ug/Plate 9-Aminoacridine
- 7: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate

**** END OF REPORT ****