

Experiment Number: **A99540**

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

G06: Ames Summary Data

Test Compound: **Vinyl acetate**

CAS Number: **108-05-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **17:37:36**

NTP Study Number:

A99540

Study Result:

Negative

Experiment Number: A99540
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G06: Ames Summary Data
Test Compound: Vinyl acetate
CAS Number: 108-05-4

Date Report Requested: 09/15/2018
Time Report Requested: 17:37:36

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	104 ± 2.3	120 ± 2.3	133 ± 5.2	102 ± 1.9	123 ± 8.2
100.0	99 ± 4.7	118 ± 4.9	135 ± 2.8	92 ± 2.7	128 ± 5.2
333.0	101 ± 5.8	117 ± 1.5	119 ± 0.9	102 ± 10.8	119 ± 4.7
1000.0	101 ± 5.5	117 ± 2.0	116 ± 0.9	103 ± 3.4	125 ± 3.0
3333.0	99 ± 1.7	111 ± 3.3	129 ± 2.4	111 ± 9.6	128 ± 11.3
10000.0	96 ± 3.8	112 ± 4.8	87 ± 6.4 ^s	31 ± 14.5 ^s	65 ± 6.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					546 ± 25.6
Positive Control ³			355 ± 17.9		
Positive Control ⁴	774 ± 46.2	926 ± 52.5			
Positive Control ⁵				558 ± 13.5	

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Date Report Requested: 09/15/2018
Time Report Requested: 17:37:36

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	103 ± 3.8
100.0	101 ± 5.5
333.0	105 ± 1.2
1000.0	105 ± 2.2
3333.0	101 ± 6.6
10000.0	24 ± 3.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	853 ± 22.1
Positive Control ⁴	
Positive Control ⁵	

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Test Compound: Vinyl acetate

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Date Report Requested: 09/15/2018

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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	9 ± 0.7	16 ± 2.8	11 ± 1.9	15 ± 0.3	15 ± 2.2
100.0	12 ± 3.2	12 ± 1.8	11 ± 2.2	13 ± 1.9	12 ± 1.5
333.0	14 ± 1.3	11 ± 1.8	13 ± 0.6	14 ± 1.0	10 ± 1.5
1000.0	12 ± 3.2	13 ± 0.9	12 ± 2.5	13 ± 2.9	11 ± 1.2
3333.0	13 ± 0.7	18 ± 0.3	11 ± 2.1	12 ± 0.0	10 ± 0.7
10000.0	13 ± 2.4	16 ± 2.7	2 ± 0.9 ^s	7 ± 1.5 ^s	5 ± 1.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					102 ± 3.0
Positive Control ⁴	950 ± 18.3	859 ± 24.8			
Positive Control ⁵			107 ± 4.1		
Positive Control ⁶				210 ± 18.0	

Experiment Number: A99540
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Test Compound: Vinyl acetate
CAS Number: 108-05-4

Date Report Requested: 09/15/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 1.8
100.0	12 ± 3.7
333.0	13 ± 0.3
1000.0	12 ± 3.2
3333.0	11 ± 1.0
10000.0	7 ± 1.0 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	264 ± 8.2
Positive Control ⁶	

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 Test Compound: Vinyl acetate
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Date Report Requested: 09/15/2018
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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	123 ± 3.3	108 ± 4.4	142 ± 2.0	179 ± 6.7	110 ± 9.0
100.0	118 ± 6.6	103 ± 4.2	151 ± 7.6	171 ± 3.3	110 ± 4.5
333.0	124 ± 8.7	113 ± 7.7	155 ± 7.8	181 ± 8.9	110 ± 12.4
1000.0	114 ± 7.0	110 ± 4.1	161 ± 7.0	184 ± 7.2	131 ± 2.3
3333.0	136 ± 7.3	113 ± 2.2	139 ± 7.3	181 ± 6.7	139 ± 8.5
10000.0	157 ± 8.5	120 ± 5.0	54 ± 11.3 ^s	101 ± 13.3 ^s	42 ± 10.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					533 ± 14.6
Positive Control ³			436 ± 20.4		
Positive Control ⁵				713 ± 31.7	
Positive Control ⁷	415 ± 27.4	381 ± 8.0			

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Date Report Requested: 09/15/2018
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	143 ± 10.3
100.0	136 ± 5.8
333.0	149 ± 1.2
1000.0	159 ± 3.1
3333.0	133 ± 7.5
10000.0	75 ± 11.8 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	677 ± 58.1
Positive Control ⁵	
Positive Control ⁷	

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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	19 ± 3.8	20 ± 4.4	18 ± 1.5	25 ± 4.4	15 ± 1.3
100.0	16 ± 1.8	15 ± 0.9	19 ± 1.2	23 ± 1.7	18 ± 1.8
333.0	18 ± 0.6	19 ± 2.9	20 ± 2.4	20 ± 3.0	16 ± 1.3
1000.0	14 ± 2.4	15 ± 1.0	18 ± 0.6	15 ± 1.8	15 ± 1.2
3333.0	14 ± 1.2	18 ± 0.7	21 ± 1.5	17 ± 2.0	17 ± 0.9
10000.0	21 ± 2.1	11 ± 1.5	8 ± 0.3 ^s	8 ± 0.3 ^s	8 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					489 ± 11.1
Positive Control ³			302 ± 3.0		
Positive Control ⁸	338 ± 4.4	293 ± 5.6			
Positive Control ⁵				513 ± 36.3	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 1.9
100.0	23 ± 1.7
333.0	24 ± 1.7
1000.0	15 ± 1.2
3333.0	22 ± 2.6
10000.0	20 ± 2.6 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	623 ± 27.8
Positive Control ⁸	
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: 1.0 ug/Plate 2-Aminoanthracene
- 3: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 5.0 ug/Plate 2-Aminoanthracene
- 6: 10.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

** END OF REPORT **