

Experiment Number: 064436

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Vinylidene fluoride

CAS Number: 75-38-7

Date Report Requested: 09/10/2018

Time Report Requested: 18:00:07

**NTP Study Number:**

064436

**Study Result:**

Positive

Experiment Number: 064436

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Vinylidene fluoride

CAS Number: 75-38-7

Date Report Requested: 09/10/2018

Time Report Requested: 18:00:07

## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	108 ± 8.3	125 ± 4.3	155 ± 10.7	120 ± 6.7	103 ± 3.8
0.002	96 ± 0.0	138 ± 11.1	163 ± 8.0	154 ± 12.5	176 ± 27.4
0.007	98 ± 3.9	109 ± 0.6	159 ± 4.2	176 ± 7.8	196 ± 10.9
0.013	99 ± 4.3	103 ± 8.1	165 ± 8.2	186 ± 12.5	185 ± 5.5
0.02	100 ± 9.4	116 ± 2.7	164 ± 11.0	238 ± 2.4	198 ± 9.7
0.027	82 ± 8.8	94 ± 2.7	30 ± 6.4	190 ± 8.7	190 ± 9.0
Trial Summary	Negative	Negative	Negative	Positive	Weakly Positive
Positive Control <sup>2</sup>			447 ± 6.7		
Positive Control <sup>3</sup>	460 ± 11.1				
Positive Control <sup>4</sup>				698 ± 30.6	778 ± 61.9
Positive Control <sup>5</sup>		1083 ± 91.7			

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## G06: Ames Summary Data

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## Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 1.8	16 ± 3.6	8 ± 0.7	14 ± 0.9	12 ± 1.5
0.002	24 ± 3.5	9 ± 3.8	34 ± 0.9	68 ± 8.7	110 ± 10.7
0.007	19 ± 9.3	18 ± 1.0	35 ± 5.7	81 ± 7.3	100 ± 11.0
0.013	37 ± 3.3	17 ± 1.8	40 ± 3.9	100 ± 3.5	138 ± 0.6
0.02	169 ± 13.7	20 ± 3.2	36 ± 4.4	108 ± 5.8	139 ± 9.0
0.027	17 ± 2.5	24 ± 4.2	50 ± 7.0	118 ± 6.7	162 ± 4.1
Trial Summary	Positive	Negative	Positive	Positive	Positive
Positive Control <sup>2</sup>	56 ± 3.8	60 ± 5.0	134 ± 2.8		
Positive Control <sup>4</sup>				122 ± 15.3	111 ± 8.6

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	12 ± 1.2	21 ± 1.7	23 ± 2.2
0.002	15 ± 1.7	19 ± 1.8	21 ± 1.2
0.007	15 ± 2.0	21 ± 1.9	17 ± 0.7
0.013	14 ± 2.3	15 ± 0.6	24 ± 0.5
0.02	10 ± 1.3	21 ± 2.6	18 ± 3.2
0.027	9 ± 1.7	20 ± 1.7	21 ± 0.9
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>		335 ± 31.4	408 ± 10.4
Positive Control <sup>6</sup>	268 ± 3.8		

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**LEGEND**

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**\*\* END OF REPORT \*\***