

Experiment Number: **A64870**

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

**G06: Ames Summary Data**

Test Compound: **Allyl alcohol**

CAS Number: **107-18-6**

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

Time Report Requested: **09:48:49**

**NTP Study Number:**

A64870

**Study Result:**

Negative

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## G06: Ames Summary Data

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	108 ± 2.4	125 ± 2.6	141 ± 2.6	108 ± 3.2	140 ± 2.6
3.0	110 ± 4.4	127 ± 3.3	138 ± 2.9	109 ± 2.7	138 ± 3.2
10.0	119 ± 1.2	126 ± 3.6	138 ± 3.8	111 ± 3.4	136 ± 3.2
33.0	112 ± 0.7	128 ± 3.5	143 ± 2.6	109 ± 1.3	141 ± 1.5
100.0	79 ± 2.7 <sup>s</sup>	116 ± 2.3	124 ± 2.9	83 ± 6.5	135 ± 3.0
333.0	Toxic	107 ± 3.1 <sup>s</sup>	115 ± 3.5 <sup>s</sup>	78 ± 5.6 <sup>s</sup>	94 ± 4.1 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			961 ± 36.1	783 ± 9.3	1009 ± 7.5
Positive Control <sup>3</sup>	891 ± 5.7	890 ± 12.5			

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	139 ± 2.0
3.0	135 ± 3.2
10.0	130 ± 6.2
33.0	133 ± 2.6
100.0	121 ± 2.7
333.0	70 ± 3.8 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	766 ± 17.0
Positive Control <sup>3</sup>	

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## G06: Ames Summary Data

Test Compound: Allyl alcohol

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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 <sup>1</sup>	15 ± 1.2	14 ± 1.2	10 ± 1.8	16 ± 2.0	12 ± 1.5
3.0	14 ± 1.2	15 ± 0.9	9 ± 1.5	14 ± 2.0	13 ± 0.3
10.0	16 ± 1.7	13 ± 1.5	12 ± 2.1	17 ± 1.3	11 ± 2.1
33.0	15 ± 2.3	13 ± 0.3	10 ± 2.0	14 ± 1.7	11 ± 1.5
100.0	14 ± 2.1	11 ± 2.1	11 ± 1.2	15 ± 2.0	11 ± 2.9
333.0	Toxic	Toxic	6 ± 2.3 <sup>s</sup>	7 ± 1.2 <sup>s</sup>	5 ± 1.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			346 ± 6.8	351 ± 4.8	367 ± 4.3
Positive Control <sup>3</sup>	335 ± 3.8	535 ± 7.2			

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CAS Number: 107-18-6

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 2.4
3.0	19 ± 1.2
10.0	16 ± 2.0
33.0	15 ± 0.7
100.0	14 ± 1.5
333.0	5 ± 1.8 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	372 ± 4.6
Positive Control <sup>3</sup>	

Experiment Number: A64870

Test Type: Genetic Toxicology - Bacterial  
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## G06: Ames Summary Data

Test Compound: Allyl alcohol

CAS Number: 107-18-6

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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 <sup>1</sup>	98 ± 2.0	93 ± 2.5	125 ± 2.2	120 ± 4.0	99 ± 1.8
3.0	103 ± 3.8	94 ± 2.0	116 ± 3.6	121 ± 2.6	106 ± 2.6
10.0	103 ± 3.5	95 ± 1.8	96 ± 3.2	116 ± 3.2	108 ± 3.8
33.0	102 ± 2.6	98 ± 1.8	127 ± 3.5	118 ± 4.7	102 ± 3.5
100.0	95 ± 2.7	92 ± 2.3	125 ± 2.6	120 ± 2.6	99 ± 3.2
333.0	Toxic	Toxic	95 ± 3.5 <sup>s</sup>	77 ± 2.6	84 ± 4.4 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			537 ± 6.4	604 ± 15.3	938 ± 5.5
Positive Control <sup>4</sup>	508 ± 11.9	625 ± 26.1			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	112 ± 2.3
3.0	112 ± 2.5
10.0	111 ± 2.0
33.0	102 ± 5.0
100.0	108 ± 2.0
333.0	108 ± 3.2
Trial Summary	Negative
Positive Control <sup>2</sup>	572 ± 20.4
Positive Control <sup>4</sup>	

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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 <sup>1</sup>	31 ± 2.6	18 ± 0.9	43 ± 2.4	38 ± 1.7	46 ± 1.5
3.0	31 ± 2.3	18 ± 1.3	40 ± 4.4	41 ± 0.6	46 ± 3.5
10.0	27 ± 1.9	17 ± 2.3	45 ± 2.3	35 ± 1.2	47 ± 2.4
33.0	29 ± 0.3	20 ± 3.2	44 ± 1.9	32 ± 3.5	45 ± 3.3
100.0	17 ± 1.5 <sup>s</sup>	16 ± 1.7	37 ± 2.0	26 ± 2.6	46 ± 3.8
333.0	Toxic	4 ± 1.2 <sup>s</sup>	16 ± 3.1 <sup>s</sup>	Toxic	16 ± 1.8 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			931 ± 3.5	577 ± 6.1	980 ± 3.8
Positive Control <sup>5</sup>	252 ± 6.8	429 ± 5.5			

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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	41 ± 2.1
3.0	40 ± 2.6
10.0	42 ± 2.6
33.0	39 ± 2.3
100.0	25 ± 2.6
333.0	12 ± 2.3 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	954 ± 15.2
Positive Control <sup>5</sup>	

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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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 50.0 ug/Plate 9-Aminoacridine

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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