

Experiment Number: 732228

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

G06: Ames Summary Data

Test Compound: **Acetaldehyde**

CAS Number: **75-07-0**

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

Time Report Requested: **04:47:39**

NTP Study Number:

732228

Study Result:

Negative

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G06: Ames Summary Data

Test Compound: Acetaldehyde

CAS Number: 75-07-0

Date Report Requested: 09/17/2018

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Strain: TA100

Dose (mL/Chamber)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	149 ± 6.4	106 ± 2.7	108 ± 2.4	94 ± 0.6
0.01	140 ± 8.7	106 ± 1.8	104 ± 11.9	102 ± 5.5
0.03	116 ± 2.1	96 ± 5.8	94 ± 5.2	93 ± 5.4
0.1	132 ± 12.7	107 ± 4.4	83 ± 2.0	94 ± 10.2
0.3	64 ± 1.5 ^s	69 ± 3.5	45 ± 4.7 ^s	48 ± 2.3
1.0	Toxic	0 ± 0.0 ^s	Toxic	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	1571 ± 102.6	1080 ± 17.5	1316 ± 27.2	1346 ± 31.1

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Strain: TA102

Dose (mL/Chamber)	Without S9	With 10% Rat S9
Vehicle Control ¹	313 ± 19.1	298 ± 35.5
0.01	362 ± 29.5	318 ± 14.8
0.03	318 ± 6.9	325 ± 23.4
0.1	319 ± 18.5	439 ± 8.5
0.3	157 ± 13.3	388 ± 2.7
1.0	0 ± 0.0 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Equivocal
Positive Control ²	447 ± 12.3	488 ± 20.9

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Strain: TA104

Dose (mL/Chamber)	Without S9	Without S9	With 10% Rat S9
Vehicle Control ¹	425 ± 25.6	388 ± 14.5	351 ± 6.7
0.01	385 ± 9.1	404 ± 15.6	274 ± 21.9
0.03	357 ± 7.5	396 ± 13.2	337 ± 12.7
0.1	385 ± 21.1	285 ± 11.2	345 ± 14.7
0.3	159 ± 13.6 ^s	197 ± 18.7	231 ± 21.5
1.0	Toxic	0 ± 0.0 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²	631 ± 7.0	528 ± 5.5	550 ± 11.4

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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: Acetone

2: 2.5 mL/Chamber Dichloromethane

s: Slight Toxicity

**** END OF REPORT ****