

Experiment Number: 900181

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

G06: Ames Summary Data

Test Compound: **Chloroacetaldehyde**

CAS Number: **107-20-0**

Date Report Requested: **09/16/2018**

Time Report Requested: **22:54:21**

NTP Study Number:

900181

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	151 ± 7.6	138 ± 4.9	180 ± 5.8	160 ± 4.2	157 ± 5.3
1.0	156 ± 6.0				
3.3	171 ± 3.2	130 ± 7.1			
10.0	187 ± 14.3	142 ± 6.7	180 ± 18.7		188 ± 2.6
33.0	251 ± 16.5	191 ± 10.2	188 ± 6.7		181 ± 2.5
100.0	381 ± 32.8	344 ± 21.4	193 ± 3.1	164 ± 8.7	201 ± 4.6
150.0		398 ± 6.1			
200.0				192 ± 8.1	
333.0			349 ± 12.0	226 ± 14.7	266 ± 12.2
500.0				326 ± 16.7	
667.0			273 ± 35.6 ^s	423 ± 7.2	487 ± 16.2
750.0					
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	568 ± 11.7	469 ± 5.4			
Positive Control ³					663 ± 125.4
Positive Control ⁴			513 ± 15.9	637 ± 22.9	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	173 ± 8.3
1.0	
3.3	
10.0	
33.0	163 ± 2.3
100.0	177 ± 2.1
150.0	
200.0	
333.0	179 ± 5.2
500.0	
667.0	414 ± 6.7
750.0	514 ± 46.9
Trial Summary	Positive
Positive Control ²	
Positive Control ³	381 ± 22.3
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	22 ± 0.7	30 ± 3.8	35 ± 2.4	31 ± 3.5	30 ± 0.9
1.0	17 ± 2.3				
3.3	22 ± 2.7				
10.0	20 ± 1.2	32 ± 4.7		37 ± 3.3	
33.0	24 ± 4.3	25 ± 2.2		32 ± 2.3	36 ± 4.2
100.0	24 ± 0.3	32 ± 1.8	42 ± 1.8	30 ± 2.7	28 ± 4.2
200.0			36 ± 4.1		
333.0		49 ± 6.8	38 ± 3.3	35 ± 0.6	30 ± 1.7
500.0			37 ± 1.2		
667.0		18 ± 1.5 ^s	44 ± 3.4 ^s	42 ± 4.2	
1000.0					32 ± 3.1 ^s
3333.0					Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁵	295 ± 3.2				
Positive Control ³		197 ± 14.1	178 ± 7.2	516 ± 17.7	203 ± 24.1

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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: Water

2: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

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

s: Slight Toxicity

**** END OF REPORT ****