

Experiment Number: 329517

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

**G06: Ames Summary Data**

Test Compound: **Methyl chloride**

CAS Number: **74-87-3**

Date Report Requested: **09/12/2018**

Time Report Requested: **16:37:58**

**NTP Study Number:** 329517

**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 <sup>1</sup>	115 ± 4.8	135 ± 6.7	138 ± 4.7	157 ± 2.2	142 ± 12.1
0.0		274 ± 11.3		380 ± 7.9	
0.001	685 ± 9.7	567 ± 15.3	738 ± 31.0	846 ± 10.7	862 ± 9.6
0.002	956 ± 33.9	1085 ± 28.3	1220 ± 37.5	1367 ± 38.4	1321 ± 64.7
0.003		1379 ± 11.2		1816 ± 81.7	
0.007	1654 ± 35.9	1740 ± 15.0	1619 ± 75.3	1980 ± 84.4	1939 ± 12.9
0.013	750 ± 36.2		668 ± 47.3		743 ± 36.1
0.027	0 ± 0.0 <sup>s</sup>		0 ± 0.3 <sup>s</sup>		0 ± 0.0 <sup>s</sup>
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	302 ± 18.2	450 ± 9.1			
Positive Control <sup>3</sup>					435 ± 27.9
Positive Control <sup>4</sup>			622 ± 24.3	540 ± 101.4	

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	151 ± 8.4
0.0	419 ± 6.2
0.001	908 ± 25.6
0.002	1515 ± 31.6
0.003	1815 ± 53.5
0.007	1974 ± 38.1
0.013	
0.027	
Trial Summary	Positive
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	718 ± 54.1
Positive Control <sup>4</sup>	

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Test Compound: Methyl chloride

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	36 ± 5.6	43 ± 0.7	32 ± 1.2	30 ± 3.8
0.0			36 ± 5.2	
0.001	24 ± 2.7	37 ± 4.4	38 ± 2.7	33 ± 7.4
0.002	31 ± 4.8	34 ± 2.7	44 ± 5.4	32 ± 1.5
0.003			39 ± 4.8	
0.007	29 ± 1.2	34 ± 2.3	45 ± 2.3	32 ± 2.9
0.013	18 ± 1.5	11 ± 2.5 <sup>s</sup>		8 ± 1.5
0.027	0 ± 0.0 <sup>s</sup>	0 ± 0.0 <sup>s</sup>		0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>		299 ± 44.0	325 ± 10.2	333 ± 23.7
Positive Control <sup>5</sup>	282 ± 11.2			

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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: 0.5 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 \*\***