

Experiment Number: 261729

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

G06: Ames Summary Data

Test Compound: **Butyryl chloride**

CAS Number: 141-75-3

Date Report Requested: 09/11/2018

Time Report Requested: 07:55:39

NTP Study Number:

261729

Study Result:

Weakly 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	159 ± 10.4	160 ± 7.5	178 ± 3.8	175 ± 1.5	157 ± 4.3
10.0		160 ± 9.3		170 ± 4.0	
33.0	182 ± 5.5	158 ± 8.4	188 ± 2.0	183 ± 6.5	161 ± 3.6
100.0	188 ± 12.4	181 ± 12.7	198 ± 3.9	178 ± 2.3	186 ± 6.1
166.0	227 ± 12.7	217 ± 18.7	219 ± 14.1	212 ± 1.3	224 ± 18.1
333.0	247 ± 0.7	258 ± 9.0	273 ± 5.9	243 ± 14.6	250 ± 11.6
666.0	158 ± 18.8		142 ± 24.2 ^s		282 ± 9.2
Trial Summary	Weakly Positive	Weakly Positive	Weakly Positive	Equivocal	Weakly Positive
Positive Control ²					720 ± 25.2
Positive Control ³	441 ± 8.7	512 ± 10.1			
Positive Control ⁴			570 ± 25.8	655 ± 22.6	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	167 ± 4.6
10.0	
33.0	154 ± 2.9
100.0	189 ± 8.0
166.0	197 ± 3.8
333.0	265 ± 8.1
666.0	318 ± 11.2
Trial Summary	Positive
Positive Control ²	700 ± 29.4
Positive Control ³	
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	20 ± 2.0	44 ± 1.0	32 ± 0.7
33.0	26 ± 7.0	43 ± 5.6	36 ± 1.9
100.0	26 ± 0.9	39 ± 0.7	33 ± 3.8
166.0	23 ± 2.8	38 ± 4.0	32 ± 2.6
333.0	31 ± 0.3	30 ± 1.5	27 ± 3.0
666.0	Toxic	10 ± 2.6 ^s	30 ± 5.5
Trial Summary	Negative	Negative	Negative
Positive Control ²		143 ± 2.8	393 ± 30.2
Positive Control ⁵	468 ± 16.5		

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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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****