

Experiment Number: 734219
Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **Furan**
CAS Number: **110-00-9**

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

Time Report Requested: **05:06:13**

NTP Study Number:

734219

Study Result:

Weakly Positive

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Strain: TA100

Dose (mL/Chamber)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	80 ± 3.2	88 ± 1.0	142 ± 4.7	84 ± 2.6
0.1	117 ± 8.2	75 ± 6.7	191 ± 11.7	101 ± 4.3
0.3	112 ± 5.8	83 ± 0.3	171 ± 4.9	86 ± 9.9
1.0	100 ± 15.9	68 ± 3.3	163 ± 19.5	88 ± 8.4
3.0		58 ± 3.2	157 ± 8.0	81 ± 6.7
3.3	92 ± 6.6			
10.0	29 ± 2.9 ^s	17 ± 0.7 ^s	100 ± 6.4 ^s	34 ± 7.3 ^s
Trial Summary	Equivocal	Negative	Negative	Negative
Positive Control ²		858 ± 62.8	1910 ± 117.4	1315 ± 23.2
Positive Control ³	2056 ± 12.9			

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Strain: TA102			
Dose (mL/Chamber)	Without S9	With 10% Rat S9	
Vehicle Control ¹	133 ± 18.6	346 ± 7.4	
0.1	236 ± 15.4	611 ± 56.3	
0.3	250 ± 34.2	525 ± 46.8	
1.0	240 ± 20.5	581 ± 19.7	
3.0		609 ± 44.2	
3.3	110 ± 20.9 ^s		
10.0	2 ± 0.9 ^s	197 ± 3.3 ^s	
Trial Summary	Weakly Positive	Positive	
Positive Control ²		752 ± 25.3	
Positive Control ³	13 ± 6.5 ^s		

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Strain: TA104

Dose (mL/Chamber)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	184 ± 11.1	354 ± 1.8	370 ± 18.4	422 ± 17.6
0.1	412 ± 8.5	338 ± 40.0	457 ± 17.0	528 ± 20.1
0.3	411 ± 16.0	401 ± 10.2	408 ± 22.1	517 ± 11.9
1.0	371 ± 16.1	383 ± 7.9	430 ± 23.8	490 ± 15.3
3.0		301 ± 18.4	362 ± 20.2	428 ± 28.2
3.3	343 ± 6.1			
10.0	112 ± 26.0 ^s	116 ± 0.5 ^s	295 ± 25.5 ^s	134 ± 5.4 ^s
Trial Summary	Positive	Negative	Negative	Negative
Positive Control ²		465 ± 6.2	690 ± 38.3	716 ± 49.0
Positive Control ³	377 ± 2.6			

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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

3: 5.0 mL/Chamber Dichloromethane

s: Slight Toxicity

**** END OF REPORT ****