

Experiment Number: **A21560**

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

G06: Ames Summary Data

Test Compound: **Calcium naphthenate**

CAS Number: **85763-67-3**

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

Time Report Requested: **10:02:07**

NTP Study Number:

A21560

Study Result:

Negative

Experiment Number: A21560

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G06: Ames Summary Data

Test Compound: Calcium naphthenate

CAS Number: 85763-67-3

Date Report Requested: 09/16/2018

Time Report Requested: 10:02:07

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	101 ± 7.3	106 ± 3.8	119 ± 4.6	127 ± 4.8	125 ± 11.7
1.0	115 ± 7.8	98 ± 7.3			
3.0	127 ± 12.8	90 ± 6.8			
10.0	97 ± 2.3	97 ± 9.0	140 ± 6.4	124 ± 10.2	144 ± 10.1
33.0	87 ± 2.2	73 ± 3.5	141 ± 3.2	135 ± 4.9	137 ± 7.4
100.0	Toxic	74 ± 1.5	132 ± 7.8	123 ± 4.2	123 ± 7.5
333.0			125 ± 15.4	97 ± 6.8	133 ± 3.5
1000.0			171 ± 13.0	106 ± 2.2	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			766 ± 20.6		2030 ± 35.6
Positive Control ³	455 ± 21.8	436 ± 9.0			
Positive Control ⁴				490 ± 7.0	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	105 ± 7.7
1.0	
3.0	
10.0	120 ± 2.6
33.0	105 ± 10.9
100.0	122 ± 3.5
333.0	111 ± 7.4
1000.0	107 ± 11.3
Trial Summary	Negative
Positive Control ²	737 ± 8.5
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.9	12 ± 2.9	20 ± 3.3	21 ± 2.0	19 ± 2.9
1.0	15 ± 3.1	14 ± 4.7			
3.0	13 ± 1.0	9 ± 2.5			
10.0	7 ± 2.4	13 ± 2.6	23 ± 5.2	20 ± 3.0	14 ± 0.9
33.0	11 ± 2.4	16 ± 1.2	15 ± 3.3	17 ± 1.2	10 ± 2.2
100.0	Toxic	Toxic	15 ± 2.0	22 ± 1.2	17 ± 3.7
333.0			17 ± 1.8	17 ± 0.6	10 ± 2.2
1000.0			Toxic	14 ± 4.3	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	343 ± 10.5	474 ± 8.8			
Positive Control ²			87 ± 6.7	43 ± 3.3	241 ± 8.6

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 3.2
1.0	
3.0	
10.0	16 ± 1.7
33.0	22 ± 2.2
100.0	19 ± 3.2
333.0	12 ± 3.8
1000.0	13 ± 1.9
Trial Summary	Negative
Positive Control ³	
Positive Control ²	326 ± 19.4

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Date Report Requested: 09/16/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	132 ± 5.4	130 ± 11.8	155 ± 2.3	201 ± 8.4	154 ± 10.3
1.0	72 ± 11.0	143 ± 20.2			
3.0	41 ± 0.3	171 ± 21.4			
10.0	37 ± 0.6	137 ± 13.7	189 ± 0.3	222 ± 13.2	150 ± 8.0
33.0	46 ± 6.5	119 ± 8.3	187 ± 5.2	236 ± 5.5	181 ± 8.6
100.0	Toxic	Toxic	186 ± 11.0	240 ± 5.9	146 ± 6.2
333.0			129 ± 2.3	243 ± 5.2	131 ± 9.8
1000.0			Toxic	189 ± 10.1	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			592 ± 19.2		1193 ± 29.5
Positive Control ⁴				443 ± 6.1	
Positive Control ⁵	283 ± 7.5	336 ± 51.5			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	236 ± 4.2
1.0	
3.0	
10.0	244 ± 8.3
33.0	224 ± 15.4
100.0	211 ± 12.2
333.0	198 ± 11.5
1000.0	141 ± 3.5
Trial Summary	Negative
Positive Control ²	676 ± 5.2
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	31 ± 5.5	25 ± 0.6	35 ± 2.6	35 ± 2.3	32 ± 1.9
1.0	33 ± 2.8	20 ± 3.6			
3.0	28 ± 0.3	30 ± 1.8			
10.0	33 ± 3.8	25 ± 2.0	37 ± 2.9	37 ± 6.4	39 ± 3.3
33.0	28 ± 2.6	21 ± 3.8	36 ± 2.3	34 ± 3.3	43 ± 7.6
100.0	23 ± 5.1	21 ± 3.5	39 ± 3.0	43 ± 7.4	39 ± 3.5
333.0			31 ± 3.5	36 ± 1.7	35 ± 3.8
1000.0			Toxic	29 ± 0.9	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶	228 ± 16.5	214 ± 5.8			
Positive Control ²			789 ± 2.7	246 ± 16.3	2477 ± 11.8

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	41 ± 7.3
1.0	
3.0	
10.0	45 ± 3.5
33.0	46 ± 3.7
100.0	46 ± 10.6
333.0	43 ± 5.5
1000.0	34 ± 9.5
Trial Summary	Negative
Positive Control ⁶	
Positive Control ²	919 ± 18.3

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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: 95% Ethanol
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate Sodium Azide
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****