

Experiment Number: 834378

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

G06: Ames Summary Data

Test Compound: **Acetin**

CAS Number: **26446-35-5**

Date Report Requested: **09/15/2018**

Time Report Requested: **19:53:52**

NTP Study Number:

834378

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	97 ± 3.0	97 ± 3.5	108 ± 2.3
100.0	82 ± 13.4	111 ± 1.8	116 ± 3.5
333.3	86 ± 7.2	98 ± 3.2	99 ± 7.8
1000.0	89 ± 8.2	111 ± 10.3	119 ± 4.5
3333.3	96 ± 5.3	97 ± 4.4	138 ± 10.5
10000.0	104 ± 6.4	133 ± 4.4	139 ± 9.8
Trial Summary	Negative	Equivocal	Equivocal
Positive Control ²		1492 ± 61.4	2368 ± 57.7
Positive Control ³	268 ± 16.6		

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 2.1	20 ± 3.1	7 ± 1.2	10 ± 1.2	6 ± 1.3
100.0	12 ± 3.5		10 ± 1.7		8 ± 0.3
333.3	10 ± 2.7	17 ± 1.2	8 ± 0.6	15 ± 3.2	7 ± 0.9
1000.0	13 ± 2.0	25 ± 2.0	14 ± 0.9	20 ± 2.6	9 ± 2.3
3333.3	16 ± 2.5	42 ± 0.3	16 ± 4.1	58 ± 3.5	20 ± 2.0
6666.7		79 ± 2.9		84 ± 6.0	
10000.0	32 ± 11.9	106 ± 2.4	63 ± 3.9	123 ± 0.3	57 ± 5.3
Trial Summary	Equivocal	Positive	Positive	Positive	Positive
Positive Control ³		352 ± 17.7			
Positive Control ⁴			325 ± 27.3	211 ± 12.4	501 ± 23.6
Positive Control ⁵	300 ± 12.9				

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 3.1
100.0	
333.3	22 ± 4.8
1000.0	30 ± 1.5
3333.3	64 ± 5.0
6666.7	117 ± 3.2
10000.0	149 ± 4.7
Trial Summary	Positive
Positive Control ³	
Positive Control ⁴	112 ± 14.0
Positive Control ⁵	

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9	7 ± 0.7	6 ± 0.6
100.0	2 ± 0.3	6 ± 0.7	4 ± 1.0
333.3	4 ± 1.2	6 ± 1.5	6 ± 1.3
1000.0	3 ± 0.3	4 ± 0.6	7 ± 1.7
3333.3	4 ± 0.6	6 ± 0.6	4 ± 0.9
10000.0	3 ± 1.2	4 ± 0.0	3 ± 0.0
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		494 ± 38.2	522 ± 52.2
Positive Control ⁶	274 ± 85.5		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 3.2	35 ± 2.3	37 ± 3.4
100.0	31 ± 5.0	29 ± 5.3	48 ± 2.6
333.3	24 ± 3.3	31 ± 1.2	35 ± 1.9
1000.0	24 ± 2.7	31 ± 1.5	35 ± 3.3
3333.3	25 ± 2.3	32 ± 5.7	25 ± 3.0
10000.0	20 ± 4.0	35 ± 2.1	31 ± 6.2
Trial Summary	Negative	Negative	Negative
Positive Control ²		1033 ± 57.8	1889 ± 123.0
Positive Control ⁷	550 ± 97.1		

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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: 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 Sodium Azide

6: 50.0 ug/Plate 9-Aminoacridine

7: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****