

Experiment Number: **A65453**

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

G06: Ames Summary Data

Test Compound: **Dihydroxyacetone**

CAS Number: **96-26-4**

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

Time Report Requested: **13:15:38**

NTP Study Number:

A65453

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 ¹	116 ± 8.5	104 ± 9.3	147 ± 3.8	128 ± 5.2	143 ± 9.6
333.0	139 ± 3.2	91 ± 8.7	156 ± 1.9	120 ± 4.6	153 ± 5.5
1000.0	147 ± 6.7	140 ± 14.1	152 ± 3.0	163 ± 4.3	188 ± 6.9
3333.0	244 ± 29.4	198 ± 4.3	197 ± 10.5	187 ± 9.0	274 ± 22.8
6667.0	435 ± 8.1	427 ± 27.6	250 ± 15.3	257 ± 11.5	422 ± 52.4
10000.0	515 ± 39.7	478 ± 28.5	360 ± 32.4	267 ± 18.8	603 ± 90.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	517 ± 33.4	586 ± 12.3			
Positive Control ³					509 ± 38.9
Positive Control ⁴			799 ± 62.0	1245 ± 160.1	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	119 ± 3.9
333.0	128 ± 11.3
1000.0	170 ± 4.9
3333.0	210 ± 22.0
6667.0	215 ± 50.9
10000.0	658 ± 53.4
Trial Summary	Positive
Positive Control ²	
Positive Control ³	640 ± 63.6
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	17 ± 1.2	16 ± 1.5	24 ± 1.7
333.0	13 ± 1.3	21 ± 1.3	24 ± 0.7
1000.0	18 ± 0.7	17 ± 3.4	27 ± 1.2
3333.0	19 ± 2.1	20 ± 4.5	29 ± 2.6
6667.0	29 ± 3.2	22 ± 3.8	28 ± 1.2
10000.0	34 ± 2.8	22 ± 2.6	30 ± 1.2
Trial Summary	Equivocal	Negative	Negative
Positive Control ³		235 ± 8.0	461 ± 49.1
Positive Control ⁵	82 ± 6.0		

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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: 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

**** END OF REPORT ****