

Experiment Number: **A96004**

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

G06: Ames Summary Data

Test Compound: **Acetaldehyde oxime**

CAS Number: **107-29-9**

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

Time Report Requested: **16:55:14**

NTP Study Number:

A96004

Study Result:

Positive

Experiment Number: A96004

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Test Compound: Acetaldehyde oxime

CAS Number: 107-29-9

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	116 ± 4.6	155 ± 4.3	100 ± 8.0	139 ± 17.5	157 ± 4.9
10.0					164 ± 3.5
33.0					167 ± 5.8
100.0	113 ± 8.4		95 ± 2.5		174 ± 6.8
333.0	103 ± 5.9		107 ± 6.1		184 ± 3.8
666.0					188 ± 6.6
1000.0	97 ± 4.5	155 ± 3.4	111 ± 7.5	145 ± 11.8	
1666.0		165 ± 6.7		142 ± 7.2	
3333.0	103 ± 0.5	174 ± 6.5	132 ± 6.9	178 ± 10.7	
6666.0		181 ± 3.5		180 ± 9.3	
10000.0	91 ± 6.2	188 ± 5.8	152 ± 13.4	183 ± 3.7	
Trial Summary	Negative	Equivocal	Equivocal	Equivocal	Negative
Positive Control ²					751 ± 52.4
Positive Control ³		872 ± 24.5			
Positive Control ⁴	975 ± 19.2				
Positive Control ⁵			329 ± 2.3	769 ± 16.6	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	142 ± 3.8	157 ± 6.7
10.0		160 ± 6.2
33.0		178 ± 10.2
100.0	200 ± 7.5	174 ± 4.2
333.0	206 ± 8.4	184 ± 3.2
666.0		196 ± 3.7
1000.0	176 ± 5.2	
1666.0		
3333.0	92 ± 4.1	
6666.0		
10000.0	66 ± 6.8 ^s	
Trial Summary	Equivocal	Equivocal
Positive Control ²		
Positive Control ³	438 ± 21.0	795 ± 21.7
Positive Control ⁴		
Positive Control ⁵		

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Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.5	9 ± 1.9	17 ± 1.5	10 ± 2.3
10.0				
33.0				
100.0		13 ± 3.5		
333.0		25 ± 4.8		21 ± 3.7
666.0				52 ± 6.1
1000.0	83 ± 8.2	83 ± 5.1	41 ± 8.5	90 ± 9.6
1666.0	82 ± 6.6		59 ± 4.4	111 ± 10.1
3333.0	144 ± 7.5	240 ± 16.1	94 ± 10.4	238 ± 10.1
6666.0	244 ± 13.6		204 ± 11.6	
10000.0	269 ± 21.9	347 ± 16.8	264 ± 22.0	274 ± 22.8
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ³				110 ± 6.7
Positive Control ⁵	110 ± 7.3	124 ± 3.8		
Positive Control ⁶			111 ± 7.6	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	26 ± 1.2	25 ± 2.6	29 ± 6.2
100.0	26 ± 0.3	28 ± 3.5	30 ± 5.8
333.0	24 ± 2.0	28 ± 2.7	28 ± 0.9
1000.0	26 ± 3.2	20 ± 0.3	24 ± 2.4
3333.0	21 ± 1.5	25 ± 2.0	25 ± 4.0
10000.0	19 ± 0.3	25 ± 4.2	24 ± 0.9
Trial Summary	Negative	Negative	Negative
Positive Control ³			474 ± 11.5
Positive Control ⁷	460 ± 8.2		
Positive Control ⁵		580 ± 19.8	

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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: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

** END OF REPORT **