

Experiment Number: 392144

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

G06: Ames Summary Data

Test Compound: **p-Nitroacetophenone**

CAS Number: **100-19-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **10:33:58**

NTP Study Number:

392144

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	155 ± 15.5	152 ± 10.4	154 ± 6.7
10.0	154 ± 4.4		
33.0	151 ± 8.5	165 ± 7.6	156 ± 5.8
100.0	144 ± 8.4	147 ± 4.0	165 ± 5.1
333.0	131 ± 6.4	131 ± 0.7	140 ± 4.2
1000.0	51 ± 10.7 ^s	176 ± 9.3 ^p	142 ± 8.2 ^s
2000.0		27 ± 10.8 ^s	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control ²			912 ± 26.4
Positive Control ³		764 ± 20.8	
Positive Control ⁴	1268 ± 79.1		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	32 ± 2.0	14 ± 1.0	17 ± 0.3
10.0	28 ± 2.7		
33.0	19 ± 3.0	13 ± 2.7	13 ± 3.2
100.0	23 ± 5.0	15 ± 1.5	13 ± 3.9
333.0	16 ± 2.3	11 ± 0.3	8 ± 2.1
1000.0	1 ± 0.3 ^s	9 ± 0.9 ^p	7 ± 3.2 ^s
2000.0		4 ± 0.9 ^s	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control ²			98 ± 2.9
Positive Control ³		78 ± 3.4	
Positive Control ⁴	1187 ± 59.8		

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.2	9 ± 2.7	8 ± 1.3
10.0	5 ± 0.9		
33.0	8 ± 0.9	8 ± 0.3	7 ± 2.4
100.0	8 ± 1.0	11 ± 0.9	10 ± 2.1
333.0	10 ± 2.0	12 ± 1.2	7 ± 0.7
1000.0	6 ± 1.3 ^s	10 ± 2.1 ^p	8 ± 2.2 ^p
2000.0		16 ± 1.5 ^s	0 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²			66 ± 3.3
Positive Control ³		52 ± 4.4	
Positive Control ⁵	287 ± 32.9		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 2.7	15 ± 2.3	30 ± 2.5	29 ± 4.1	29 ± 1.0
10.0	23 ± 1.3				
33.0	23 ± 5.8	16 ± 2.5	23 ± 1.5		29 ± 4.0
100.0	26 ± 2.0	18 ± 0.6	28 ± 2.9	28 ± 4.4	39 ± 1.7
220.0		31 ± 2.2			
333.0	39 ± 3.2	32 ± 2.7	40 ± 4.3	41 ± 5.6	44 ± 2.9
667.0		46 ± 1.3		38 ± 2.6 ^P	
1000.0	26 ± 2.4 ^S	20 ± 2.7 ^P	46 ± 2.2 ^P	50 ± 2.2 ^P	51 ± 3.1 ^P
1500.0				67 ± 0.6 ^P	
2000.0			61 ± 8.5 ^S	69 ± 10.7 ^P	9 ± 0.6 ^S
Trial Summary	Equivocal	Positive	Weakly Positive	Weakly Positive	Equivocal
Positive Control ²					670 ± 35.8
Positive Control ³			544 ± 8.3	1001 ± 58.5	
Positive Control ⁴		1408 ± 141.7			
Positive Control ⁶	1446 ± 33.7				

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 4.7
10.0	
33.0	40 ± 3.0
100.0	43 ± 2.6
220.0	
333.0	52 ± 3.0
667.0	48 ± 3.7 ^P
1000.0	70 ± 6.4 ^P
1500.0	44 ± 12.9 ^P
2000.0	4 ± 3.0 ^S
Trial Summary	Positive
Positive Control ²	1187 ± 62.3
Positive Control ³	
Positive Control ⁴	
Positive Control 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: Dimethyl Sulfoxide

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****