

Experiment Number: **A98424**

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

G06: Ames Summary Data

Test Compound: **Pyrogallol**

CAS Number: **87-66-1**

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

Time Report Requested: **17:22:11**

NTP Study Number:

A98424

Study Result:

Positive

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	73 ± 3.0	75 ± 1.0	83 ± 5.4	81 ± 4.0
10.0	76 ± 5.5		158 ± 14.7	
50.0	98 ± 5.6	86 ± 3.2	142 ± 12.5	152 ± 5.8
100.0	145 ± 20.2	110 ± 6.4	133 ± 15.3	138 ± 2.6
250.0	269 ± 9.0	243 ± 16.9	103 ± 9.8	106 ± 3.6
500.0	260 ± 11.3 ^p	264 ± 3.8 ^p	95 ± 5.8 ^p	93 ± 3.4 ^p
750.0		148 ± 5.5 ^p		56 ± 2.6 ^p
1000.0	38 ± 6.7 ^p	54 ± 6.7 ^x	31 ± 2.6 ^p	41 ± 0.9 ^p
Trial Summary	Positive	Positive	Equivocal	Equivocal
Positive Control ²	488 ± 27.2	635 ± 35.5		
Positive Control ³			982 ± 37.0	878 ± 19.1

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	23 ± 0.6	23 ± 1.2	28 ± 0.9	24 ± 2.2
10.0	35 ± 1.7		40 ± 2.0	
50.0	38 ± 2.6	28 ± 2.4	35 ± 1.5	44 ± 2.6
100.0	44 ± 0.6	38 ± 3.5	39 ± 1.8	44 ± 6.5
250.0	40 ± 5.0	45 ± 0.9	34 ± 1.5	35 ± 5.6
500.0	22 ± 3.1 ^p	22 ± 0.9 ^p	19 ± 0.9 ^p	32 ± 1.8 ^p
750.0		13 ± 0.6 ^p		23 ± 3.0 ^p
1000.0	6 ± 0.6 ^p	6 ± 1.2 ^x	11 ± 0.3 ^p	12 ± 1.5 ^p
Trial Summary	Positive	Positive	Equivocal	Equivocal
Positive Control ³			1163 ± 76.6	742 ± 36.6
Positive Control ⁴	693 ± 25.6	445 ± 12.5		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	203 ± 11.7	215 ± 8.5	245 ± 11.5	246 ± 16.6
10.0	233 ± 11.9		375 ± 16.6	
50.0	278 ± 7.9	290 ± 9.0	469 ± 19.1	515 ± 20.6
100.0	376 ± 21.5	373 ± 18.5	487 ± 37.3	645 ± 28.1
250.0	390 ± 3.8	455 ± 3.0	480 ± 18.1	543 ± 29.3
500.0	334 ± 25.7 ^p	374 ± 8.4 ^p	404 ± 12.3 ^p	454 ± 8.1 ^p
750.0		235 ± 10.2 ^p		241 ± 6.7 ^p
1000.0	170 ± 31.9 ^p	124 ± 3.8 ^p	213 ± 7.3 ^p	215 ± 8.7 ^p
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ⁵			1164 ± 25.3	993 ± 79.4
Positive Control ⁶	1955 ± 17.9	1816 ± 73.7		

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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 Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

p: Precipitate

x: Slight Toxicity and Precipitate

**** END OF REPORT ****