

Experiment Number: 113194

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

G06: Ames Summary Data

Test Compound: **Catechol**

CAS Number: **120-80-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **20:10:20**

NTP Study Number:

113194

Study Result:

Negative

Experiment Number: 113194

G06: Ames Summary Data

Date Report Requested: 09/11/2018

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

Time Report Requested: 20:10:20

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	106 ± 1.5	124 ± 9.9	96 ± 2.6	138 ± 7.0	124 ± 6.6
1.0	109 ± 3.0				
3.3					
33.3		126 ± 1.5		132 ± 12.8	
100.0	103 ± 3.6	142 ± 12.2	119 ± 11.0	129 ± 2.8	127 ± 1.8
333.3	105 ± 3.2	123 ± 6.6	100 ± 13.3	140 ± 10.9	124 ± 5.9
1000.0	78 ± 4.1 ^s	83 ± 8.0 ^s	119 ± 10.3	154 ± 19.4	124 ± 7.2
3333.3	Toxic	Toxic	121 ± 7.7	155 ± 15.7	141 ± 4.3
6666.7	Toxic		117 ± 8.1		141 ± 6.8 ^s
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			252 ± 10.7	596 ± 29.5	262 ± 6.2
Positive Control ³	441 ± 12.7	550 ± 8.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	131 ± 7.3
1.0	
3.3	
33.3	125 ± 8.7
100.0	141 ± 6.9
333.3	148 ± 9.0
1000.0	161 ± 15.3
3333.3	167 ± 8.1
6666.7	
10000.0	
Trial Summary	Equivocal
Positive Control ²	556 ± 9.5
Positive Control ³	

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Test Compound: Catechol
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Date Report Requested: 09/11/2018

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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	24 ± 1.8	25 ± 6.0	17 ± 2.2	12 ± 2.9	16 ± 0.7
2.5	24 ± 4.2				
33.3		22 ± 1.3		15 ± 0.9	
100.0	26 ± 2.8	20 ± 3.5	17 ± 5.0	10 ± 1.7	15 ± 1.5
333.3	21 ± 2.2	18 ± 0.3	12 ± 2.3	16 ± 0.3	14 ± 3.9
1000.0	12 ± 2.6 ^s	5 ± 1.3 ^s	20 ± 4.8	23 ± 4.0	13 ± 2.3
3333.3	Toxic	Toxic	19 ± 3.5	20 ± 2.0	29 ± 4.1
6666.7	Toxic		17 ± 2.1		11 ± 3.3 ^s
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ³	407 ± 15.2	438 ± 5.3			
Positive Control ⁴			264 ± 6.8	334 ± 51.3	286 ± 12.0

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Date Report Requested: 09/11/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 0.9
2.5	
33.3	13 ± 2.9
100.0	14 ± 2.5
333.3	13 ± 2.1
1000.0	16 ± 1.9
3333.3	20 ± 3.2
6666.7	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	367 ± 6.2

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G06: Ames Summary Data

Date Report Requested: 09/11/2018

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

Time Report Requested: 20:10:20

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 0.9	11 ± 2.7	22 ± 4.5	20 ± 0.3	21 ± 3.3
2.5	11 ± 2.8				
33.3		12 ± 1.0		20 ± 3.2	
100.0	15 ± 2.0	12 ± 1.8	22 ± 1.7	27 ± 1.9	23 ± 1.2
333.3	11 ± 1.3	12 ± 1.5	22 ± 7.7	23 ± 3.5	19 ± 3.1
1000.0	6 ± 4.1 ^s	12 ± 1.8 ^s	24 ± 3.3	23 ± 1.9	22 ± 1.8
3333.3	3 ± 3.0 ^s	Toxic	19 ± 3.2	16 ± 3.7	21 ± 4.0
6666.7	Toxic		10 ± 2.7		9 ± 1.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			182 ± 18.4	287 ± 3.6	199 ± 11.7
Positive Control ⁵	70 ± 19.1	163 ± 24.0			

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Test Compound: Catechol
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Date Report Requested: 09/11/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 3.5
2.5	
33.3	21 ± 2.8
100.0	24 ± 1.3
333.3	22 ± 3.5
1000.0	23 ± 4.0
3333.3	20 ± 4.3
6666.7	
Trial Summary	Negative
Positive Control ⁴	467 ± 13.0
Positive Control ⁵	

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Date Report Requested: 09/11/2018

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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	23 ± 2.9	25 ± 2.4	29 ± 2.1	22 ± 5.0	35 ± 2.2
1.0	21 ± 2.8				
33.3		18 ± 4.1		35 ± 4.7	
100.0	20 ± 4.1	18 ± 1.5	31 ± 1.5	31 ± 6.5	31 ± 3.6
333.3	22 ± 4.9	17 ± 0.7	31 ± 1.7	28 ± 1.8	33 ± 2.3
1000.0	26 ± 0.7	25 ± 2.3	35 ± 2.1	24 ± 1.9	35 ± 4.4
3333.3	11 ± 5.6 ^s	0 ± 0.0 ^s	31 ± 3.8	36 ± 1.9	38 ± 0.3
6666.7	Toxic		29 ± 2.0		25 ± 3.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			146 ± 18.9	388 ± 25.1	181 ± 3.5
Positive Control ⁶	488 ± 3.3	474 ± 16.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	35 ± 3.4
1.0	
33.3	37 ± 4.1
100.0	30 ± 2.8
333.3	28 ± 2.3
1000.0	34 ± 2.5
3333.3	36 ± 2.4
6666.7	
Trial Summary	Negative
Positive Control ²	934 ± 19.9
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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****