

Experiment Number: A39963

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

**G06: Ames Summary Data**

Test Compound: **p-tert-Butylcatechol**

CAS Number: **98-29-3**

Date Report Requested: **09/16/2018**

Time Report Requested: **21:34:27**

**NTP Study Number:**

A39963

**Study Result:**

Negative

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CAS Number: 98-29-3

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**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 30% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	141 ± 3.5	131 ± 3.5	128 ± 3.5	147 ± 3.6	101 ± 3.2
10.0	126 ± 2.7	129 ± 3.5	130 ± 2.3	138 ± 2.7	133 ± 3.1
33.0	125 ± 2.9	134 ± 2.0	131 ± 3.3	142 ± 3.8	125 ± 4.1
100.0	131 ± 2.6	128 ± 3.2	127 ± 2.4	139 ± 2.6	136 ± 3.0
333.0	125 ± 1.0	131 ± 2.1	138 ± 2.6	145 ± 0.9	141 ± 3.0
1000.0	87 ± 9.8 <sup>s</sup>	131 ± 3.8	131 ± 2.3	140 ± 3.8	133 ± 3.4
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control <sup>2</sup>	473 ± 33.5	625 ± 9.0			
Positive Control <sup>3</sup>			616 ± 6.7	582 ± 10.7	1035 ± 13.6

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	143 ± 3.0	145 ± 3.3
10.0	145 ± 2.0	142 ± 3.3
33.0	149 ± 2.6	133 ± 3.8
100.0	145 ± 2.7	136 ± 3.2
333.0	137 ± 2.4	133 ± 3.8
1000.0	137 ± 3.3	139 ± 3.5
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>		
Positive Control <sup>3</sup>	714 ± 16.3	751 ± 19.8

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	21 ± 1.5	22 ± 1.7	20 ± 3.5	15 ± 1.3	20 ± 1.2
10.0	22 ± 1.8	26 ± 3.0	19 ± 1.8	19 ± 0.9	17 ± 1.2
33.0	22 ± 3.0	22 ± 3.2	17 ± 1.5	21 ± 1.2	20 ± 1.9
100.0	26 ± 0.7	30 ± 0.9	17 ± 1.2	18 ± 1.3	17 ± 2.4
333.0	26 ± 2.7	23 ± 3.8	21 ± 1.5	17 ± 1.9	19 ± 2.9
1000.0	15 ± 1.5	24 ± 0.3	16 ± 0.7	13 ± 2.5	19 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	325 ± 10.2	430 ± 13.5			
Positive Control <sup>3</sup>			271 ± 7.9	240 ± 5.5	300 ± 10.7

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**G06: Ames Summary Data**

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	20 ± 1.8
10.0	19 ± 1.9
33.0	18 ± 1.2
100.0	21 ± 2.2
333.0	21 ± 2.6
1000.0	20 ± 0.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	255 ± 4.7

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	90 ± 3.2	127 ± 4.1	134 ± 2.7	133 ± 3.8	139 ± 2.6
10.0	99 ± 3.5	127 ± 3.2	133 ± 2.3	139 ± 2.6	133 ± 2.6
33.0	103 ± 2.1	135 ± 4.4	131 ± 2.7	144 ± 2.9	138 ± 3.1
100.0	116 ± 3.0	125 ± 3.2	133 ± 2.9	147 ± 2.9	133 ± 4.3
333.0	93 ± 2.7	126 ± 3.5	133 ± 3.5	132 ± 3.9	141 ± 2.3
1000.0	88 ± 1.8	132 ± 2.4	131 ± 2.6	132 ± 2.5	135 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			703 ± 26.2	318 ± 9.5	541 ± 6.1
Positive Control <sup>4</sup>	509 ± 8.1	329 ± 5.6			

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	123 ± 1.5
10.0	135 ± 3.5
33.0	140 ± 0.6
100.0	129 ± 4.4
333.0	111 ± 3.1
1000.0	135 ± 3.3
Trial Summary	Negative
Positive Control <sup>3</sup>	816 ± 9.3
Positive Control <sup>4</sup>	

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Test Compound: p-tert-Butylcatechol

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	30 ± 1.2	37 ± 2.5	32 ± 2.2	40 ± 2.3	35 ± 2.3
10.0	29 ± 0.9	29 ± 2.2	38 ± 3.6	49 ± 2.6	48 ± 4.4
33.0	29 ± 3.3	31 ± 2.6	41 ± 2.6	44 ± 3.1	39 ± 4.6
100.0	34 ± 3.5	27 ± 2.1	34 ± 2.6	42 ± 4.8	43 ± 2.1
333.0	24 ± 2.8	23 ± 0.9	26 ± 2.3	42 ± 2.6	38 ± 4.8
1000.0	23 ± 1.7	21 ± 1.5	20 ± 1.5	37 ± 3.2	40 ± 4.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>	242 ± 6.2	304 ± 5.2			
Positive Control <sup>3</sup>			347 ± 6.2	261 ± 10.7	971 ± 16.3



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	43 ± 2.6
10.0	39 ± 3.2
33.0	41 ± 2.8
100.0	41 ± 3.0
333.0	40 ± 3.8
1000.0	41 ± 2.7
Trial Summary	Negative
Positive Control <sup>5</sup>	
Positive Control <sup>3</sup>	882 ± 26.0

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## Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	306 ± 3.7	221 ± 2.5	330 ± 3.2	297 ± 3.5	350 ± 3.5
10.0	295 ± 3.0	220 ± 3.1	327 ± 3.8	296 ± 6.7	354 ± 3.3
33.0	306 ± 3.9	219 ± 2.9	331 ± 4.5	291 ± 3.0	353 ± 5.2
100.0	315 ± 4.7	217 ± 4.1	331 ± 1.9	302 ± 2.6	339 ± 5.0
333.0	282 ± 1.2	213 ± 4.0	328 ± 3.2	314 ± 5.2	322 ± 2.2
1000.0	212 ± 3.3 <sup>s</sup>	174 ± 4.9 <sup>s</sup>	316 ± 3.8	294 ± 4.9	303 ± 4.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>	1061 ± 27.3	1046 ± 22.4			
Positive Control <sup>7</sup>			1057 ± 22.0	932 ± 6.8	1085 ± 6.7

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**Strain: TA102**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	312 ± 5.0
10.0	313 ± 3.8
33.0	312 ± 4.9
100.0	296 ± 6.7
333.0	313 ± 4.8
1000.0	296 ± 2.5
Trial Summary	Negative
Positive Control <sup>6</sup>	
Positive Control <sup>7</sup>	991 ± 10.8

Experiment Number: A39963

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: p-tert-Butylcatechol

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## Strain: TA104

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	243 ± 4.1	349 ± 3.8	384 ± 3.2	259 ± 4.3	372 ± 6.2
10.0	237 ± 2.3	338 ± 2.4	369 ± 3.5	249 ± 2.6	371 ± 3.1
33.0	237 ± 4.5	337 ± 3.5	375 ± 4.9	268 ± 7.5	375 ± 3.5
100.0	249 ± 4.4	349 ± 4.1	384 ± 3.5	293 ± 4.9	374 ± 4.2
333.0	243 ± 2.8	355 ± 3.2	376 ± 4.3	284 ± 8.1	381 ± 3.5
1000.0	189 ± 1.2 <sup>s</sup>	305 ± 4.0	379 ± 1.9	256 ± 4.1	370 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					1031 ± 9.6
Positive Control <sup>8</sup>			1065 ± 11.3	936 ± 15.0	
Positive Control <sup>7</sup>	922 ± 4.1	1074 ± 5.4			

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**Strain: TA104**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	240 ± 2.8
10.0	254 ± 5.0
33.0	234 ± 4.0
100.0	247 ± 4.6
333.0	223 ± 7.6
1000.0	255 ± 5.2
Trial Summary	Negative
Positive Control <sup>3</sup>	968 ± 13.6
Positive Control <sup>8</sup>	
Positive Control <sup>7</sup>	

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**LEGEND**

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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: 1.0 ug/Plate 2-Aminoanthracene

4: 50.0 ug/Plate 9-Aminoacridine

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

6: 5.0 ug/Plate Mitomycin-C

7: 100.0 ug/Plate Other Positive Control

8: 2.0 ug/Plate 2-Aminoanthracene

s: Slight Toxicity

**\*\* END OF REPORT \*\***