

Experiment Number: A71391

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

**G06: Ames Summary Data**

Test Compound: **L-Dopa**

CAS Number: **59-92-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **18:37:12**

**NTP Study Number:**

A71391

**Study Result:**

Positive

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**G06: Ames Summary Data**

Date Report Requested: 09/17/2018

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**Test Compound: **L-Dopa**

Time Report Requested: 18:37:12

**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	100 ± 1.8	140 ± 6.9	121 ± 5.5	138 ± 2.6	115 ± 7.8
100.0	99 ± 4.7	134 ± 10.5	128 ± 5.4	147 ± 9.5	122 ± 2.8
333.0	108 ± 0.6	157 ± 3.5	135 ± 5.1	168 ± 7.0	141 ± 16.6
1000.0	124 ± 2.9	172 ± 6.4	145 ± 7.6	187 ± 5.9	199 ± 13.9
3333.0	129 ± 4.6	183 ± 3.5	183 ± 8.0	204 ± 9.5	203 ± 15.9
10000.0	151 ± 6.4	171 ± 18.0	179 ± 5.9	199 ± 11.8	221 ± 11.7
Trial Summary	Equivocal	Equivocal	Weakly Positive	Weakly Positive	Weakly Positive
Positive Control <sup>2</sup>					495 ± 20.3
Positive Control <sup>3</sup>	882 ± 20.3	734 ± 9.2			
Positive Control <sup>4</sup>				452 ± 9.8	
Positive Control <sup>5</sup>			425 ± 32.8		

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	129 ± 4.0
100.0	151 ± 6.4
333.0	168 ± 7.9
1000.0	180 ± 4.3
3333.0	216 ± 17.5
10000.0	215 ± 3.2
Trial Summary	Weakly Positive
Positive Control <sup>2</sup>	469 ± 26.0
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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Time Report Requested: 18:37:12

CAS Number: 59-92-7

**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	16 ± 2.5	13 ± 1.5	16 ± 2.7	15 ± 2.2	23 ± 1.5
100.0	18 ± 3.3	17 ± 0.9	14 ± 1.5	18 ± 1.3	23 ± 1.0
333.0	17 ± 1.2	21 ± 0.9	15 ± 0.3	19 ± 1.9	28 ± 1.8
1000.0	21 ± 2.0	24 ± 0.7	21 ± 2.1	22 ± 2.4	30 ± 3.2
3333.0	27 ± 1.7	23 ± 3.3	35 ± 2.3	36 ± 6.7	60 ± 7.7
10000.0	31 ± 1.3	37 ± 2.0	40 ± 0.3	47 ± 1.5	68 ± 2.2
Trial Summary	Equivocal	Equivocal	Positive	Positive	Positive
Positive Control <sup>2</sup>					481 ± 14.9
Positive Control <sup>6</sup>	311 ± 3.8	344 ± 2.3			
Positive Control <sup>7</sup>			471 ± 26.3		
Positive Control <sup>4</sup>				394 ± 18.7	

Experiment Number: A71391

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: L-Dopa

CAS Number: 59-92-7

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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>	18 ± 0.9
100.0	21 ± 3.5
333.0	29 ± 4.6
1000.0	32 ± 3.0
3333.0	50 ± 3.6
10000.0	63 ± 2.5
Trial Summary	Positive
Positive Control <sup>2</sup>	352 ± 24.9
Positive Control <sup>6</sup>	
Positive Control <sup>7</sup>	
Positive Control <sup>4</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: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate Sodium Azide

4: 5.0 ug/Plate 2-Aminoanthracene

5: 121.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

7: 2.5 ug/Plate 2-Aminoanthracene

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