

Experiment Number: A43612

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

**G06: Ames Summary Data**

Test Compound: **Tetralin**

CAS Number: **119-64-2**

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

Time Report Requested: **00:35:54**

**NTP Study Number:**

A43612

**Study Result:**

Negative

Experiment Number: A43612

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Mutagenicity****G06: Ames Summary Data**Test Compound: **Tetralin**CAS Number: **119-64-2**Date Report Requested: **09/17/2018**Time Report Requested: **00:35:54****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>	125 ± 3.5	112 ± 3.7	111 ± 5.6	135 ± 3.2	115 ± 4.2
0.3	107 ± 8.1	107 ± 5.7			
1.0	93 ± 7.5	112 ± 2.2			
3.0	119 ± 2.6	110 ± 4.9	115 ± 2.6	146 ± 5.7	104 ± 6.7
10.0	111 ± 1.5	101 ± 11.0	117 ± 5.9	142 ± 9.1	103 ± 5.2
33.0	91 ± 3.8	75 ± 4.3	118 ± 7.0	135 ± 3.8	137 ± 28.7
100.0			96 ± 5.6	137 ± 3.6	101 ± 12.3
333.0			56 ± 6.6 <sup>s</sup>	126 ± 2.9	50 ± 3.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					453 ± 13.0
Positive Control <sup>3</sup>			386 ± 7.0		
Positive Control <sup>4</sup>	870 ± 14.7	833 ± 25.0			
Positive Control <sup>5</sup>				366 ± 7.6	

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Date Report Requested: 09/17/2018  
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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	117 ± 4.7
0.3	
1.0	
3.0	112 ± 4.7
10.0	130 ± 17.9
33.0	127 ± 5.9
100.0	136 ± 6.0
333.0	120 ± 5.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	415 ± 10.5
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

Experiment Number: A43612

Test Type: Genetic Toxicology - Bacterial  
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## G06: Ames Summary Data

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 09/17/2018

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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>	7 ± 1.5	9 ± 1.7	12 ± 2.2	12 ± 1.7	9 ± 0.7
0.3	11 ± 1.7	8 ± 0.9			
1.0	9 ± 0.6	9 ± 0.6			
3.0	7 ± 0.0	8 ± 1.2	9 ± 1.5	10 ± 2.1	10 ± 1.2
10.0	7 ± 0.9	8 ± 0.3	9 ± 0.6	11 ± 2.8	10 ± 0.9
33.0	7 ± 0.9	7 ± 1.3	8 ± 0.3	13 ± 0.9	7 ± 0.6
100.0			7 ± 1.0	13 ± 2.1	9 ± 0.6
333.0			3 ± 1.5 <sup>s</sup>	11 ± 1.8	2 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					105 ± 5.2
Positive Control <sup>4</sup>	851 ± 15.6	732 ± 7.9			
Positive Control <sup>5</sup>			97 ± 10.3		
Positive Control <sup>6</sup>				138 ± 8.4	

Experiment Number: A43612

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

**G06: Ames Summary Data**

Test Compound: **Tetralin**

CAS Number: **119-64-2**

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

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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>	10 ± 1.7
0.3	
1.0	
3.0	13 ± 1.2
10.0	11 ± 0.9
33.0	12 ± 1.2
100.0	10 ± 1.5
333.0	12 ± 0.3
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	198 ± 14.3
Positive Control <sup>6</sup>	

Experiment Number: A43612

Test Type: Genetic Toxicology - Bacterial  
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## G06: Ames Summary Data

Test Compound: Tetralin

CAS Number: 119-64-2

Date Report Requested: 09/17/2018

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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>	108 ± 2.9	123 ± 6.1	148 ± 10.4	154 ± 6.1	113 ± 7.4
0.3	109 ± 4.6	116 ± 9.9			
1.0	116 ± 3.5	133 ± 6.8			
3.0	104 ± 3.2	139 ± 15.7	138 ± 6.1	165 ± 6.1	123 ± 4.3
10.0	112 ± 2.6	120 ± 6.0	121 ± 8.5	158 ± 5.7	104 ± 4.5
33.0	119 ± 4.2	101 ± 8.7	136 ± 6.8	163 ± 5.7	135 ± 11.8
100.0			124 ± 7.9	160 ± 5.7	108 ± 10.5
333.0			50 ± 3.8 <sup>s</sup>	130 ± 12.5	52 ± 7.9 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					393 ± 40.1
Positive Control <sup>3</sup>			330 ± 14.5		
Positive Control <sup>5</sup>				374 ± 10.7	
Positive Control <sup>7</sup>	392 ± 11.9	387 ± 5.9			

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G06: Ames Summary Data  
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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	121 ± 3.5
0.3	
1.0	
3.0	135 ± 7.0
10.0	134 ± 7.3
33.0	131 ± 7.1
100.0	118 ± 6.1
333.0	141 ± 4.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	409 ± 8.5
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

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G06: Ames Summary Data  
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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>	16 ± 1.7	10 ± 0.9	11 ± 1.2	19 ± 1.5	18 ± 1.8
0.3	14 ± 1.5	11 ± 2.5			
1.0	18 ± 1.8	8 ± 1.2			
3.0	18 ± 0.9	10 ± 1.2	11 ± 1.2	21 ± 2.3	13 ± 0.6
10.0	18 ± 3.5	12 ± 2.2	11 ± 1.2	20 ± 2.2	22 ± 7.7
33.0	8 ± 1.2 <sup>s</sup>	8 ± 0.6	12 ± 0.3	18 ± 1.0	14 ± 1.9
100.0			13 ± 0.9	21 ± 2.0	10 ± 1.5
333.0			2 ± 0.3 <sup>s</sup>	21 ± 1.7	3 ± 0.7 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					276 ± 21.4
Positive Control <sup>3</sup>			168 ± 2.7		
Positive Control <sup>8</sup>	374 ± 13.0	272 ± 3.9			
Positive Control <sup>5</sup>				187 ± 15.1	



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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>	17 ± 1.5
0.3	
1.0	
3.0	14 ± 2.3
10.0	18 ± 2.5
33.0	23 ± 3.2
100.0	18 ± 1.2
333.0	18 ± 2.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	328 ± 21.0
Positive Control <sup>8</sup>	
Positive Control <sup>5</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: Dimethyl Sulfoxide
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 5.0 ug/Plate 2-Aminoanthracene
- 6: 10.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

\*\* END OF REPORT \*\*