

Experiment Number: 497043

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Atrazine

CAS Number: 1912-24-9

Date Report Requested: 09/12/2018

Time Report Requested: 04:33:27

**NTP Study Number:**

497043

**Study Result:**

Negative

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Mutagenicity

## G06: Ames Summary Data

Test Compound: Atrazine

CAS Number: 1912-24-9

Date Report Requested: 09/12/2018

Time Report Requested: 04:33:27

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	150 ± 8.4	112 ± 7.8	100 ± 0.3	144 ± 2.0	105 ± 7.2
10.0	111 ± 7.9	116 ± 9.2	100 ± 5.8	136 ± 6.7	
33.0	130 ± 4.4	96 ± 3.5	116 ± 6.0	126 ± 9.1	105 ± 3.2
100.0	100 ± 11.0	91 ± 1.9	98 ± 3.8	131 ± 11.4	109 ± 3.0
333.0	110 ± 7.3	118 ± 7.7	112 ± 10.4	98 ± 9.1	102 ± 0.3
1000.0	103 ± 3.8	121 ± 8.8	84 ± 10.9	115 ± 4.5	107 ± 10.2
3333.0					106 ± 6.6 <sup>p</sup>
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					659 ± 23.3
Positive Control <sup>3</sup>	620 ± 21.0	393 ± 13.1			
Positive Control <sup>4</sup>			504 ± 29.6		
Positive Control <sup>5</sup>				392 ± 33.0	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	154 ± 5.2
10.0	
33.0	
100.0	113 ± 9.8
333.0	128 ± 19.0
1000.0	115 ± 5.2
3333.0	56 ± 27.8 <sup>p</sup>
10000.0	66 ± 2.1 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	529 ± 8.4
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: Atrazine

CAS Number: 1912-24-9

Date Report Requested: 09/12/2018

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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>	20 ± 0.9	20 ± 3.8	8 ± 1.2	17 ± 2.0	8 ± 0.6
10.0		24 ± 3.7	6 ± 0.3		
33.0	26 ± 3.1	22 ± 1.9	9 ± 0.9	21 ± 2.4	9 ± 4.4
100.0	27 ± 1.5	18 ± 1.0	9 ± 0.6	11 ± 2.0	11 ± 2.3
333.0	23 ± 3.4	28 ± 1.0	7 ± 0.0	11 ± 2.0	9 ± 0.3
1000.0	13 ± 2.0	22 ± 2.6	9 ± 1.5	9 ± 1.5	8 ± 1.9
3333.0	8 ± 1.2 <sup>p</sup>			5 ± 1.5 <sup>p</sup>	10 ± 1.5 <sup>p</sup>
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	428 ± 21.9	370 ± 13.9			
Positive Control <sup>6</sup>			289 ± 27.7		303 ± 9.5
Positive Control <sup>7</sup>				187 ± 12.5	

Experiment Number: 497043  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Atrazine  
CAS Number: 1912-24-9

Date Report Requested: 09/12/2018  
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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	12 ± 2.0
10.0	
33.0	
100.0	10 ± 2.6
333.0	12 ± 3.5
1000.0	7 ± 2.7
3333.0	6 ± 0.6 <sup>p</sup>
10000.0	4 ± 1.2 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	459 ± 37.3
Positive Control <sup>7</sup>	

Experiment Number: 497043

**G06: Ames Summary Data**

Date Report Requested: 09/12/2018

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

Time Report Requested: 04:33:27

**Strain: TA1537**

<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>	9 ± 0.6	9 ± 1.5	8 ± 1.8	12 ± 2.1	12 ± 0.9
10.0		8 ± 0.0	8 ± 0.3		
33.0	5 ± 1.0	8 ± 1.9	8 ± 1.5	12 ± 2.1	11 ± 2.4
100.0	5 ± 1.2	10 ± 2.7	6 ± 0.9	10 ± 0.6	12 ± 2.5
333.0	4 ± 0.9	6 ± 1.8	6 ± 0.7	6 ± 1.7	7 ± 2.2
1000.0	4 ± 0.7	7 ± 2.3	5 ± 1.8	4 ± 0.6	7 ± 1.3
3333.0	4 ± 0.3 <sup>p</sup>			3 ± 0.9 <sup>p</sup>	11 ± 3.0 <sup>p</sup>
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					78 ± 6.7
Positive Control <sup>4</sup>			52 ± 1.5		
Positive Control <sup>6</sup>				53 ± 0.6	
Positive Control <sup>8</sup>	305 ± 22.6	416 ± 43.7			

Experiment Number: 497043  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Atrazine  
CAS Number: 1912-24-9

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Strain: TA1537

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 1.5
10.0	
33.0	
100.0	12 ± 3.2
333.0	12 ± 2.5
1000.0	4 ± 1.2
3333.0	5 ± 0.7 <sup>p</sup>
10000.0	2 ± 0.3 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	47 ± 3.2
Positive Control <sup>6</sup>	
Positive Control <sup>8</sup>	

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## G06: Ames Summary Data

Date Report Requested: 09/12/2018

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

Test Compound: Atrazine

Time Report Requested: 04:33:27

## 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>	135 ± 13.1	151 ± 10.3	157 ± 5.9	194 ± 3.2	162 ± 10.8
10.0		151 ± 8.0	207 ± 6.9		
33.0	161 ± 4.2	150 ± 6.0	201 ± 6.4	198 ± 1.5	179 ± 11.8
100.0	153 ± 7.2	159 ± 8.6	196 ± 6.7	197 ± 5.5	159 ± 6.7
333.0	158 ± 2.7	173 ± 3.5	158 ± 22.2	212 ± 5.9	159 ± 12.3
1000.0	162 ± 0.7	136 ± 3.8	118 ± 24.6	93 ± 5.7	152 ± 14.1
3333.0	71 ± 2.2 <sup>p</sup>			71 ± 14.8 <sup>p</sup>	92 ± 7.0 <sup>p</sup>
10000.0					
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control <sup>2</sup>					474 ± 20.5
Positive Control <sup>4</sup>			480 ± 8.7		
Positive Control <sup>6</sup>				351 ± 7.9	
Positive Control <sup>8</sup>	793 ± 106.2	821 ± 13.2			



Experiment Number: 497043  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Atrazine  
CAS Number: 1912-24-9

Date Report Requested: 09/12/2018  
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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	187 ± 2.4
10.0	
33.0	
100.0	146 ± 9.1
333.0	185 ± 8.1
1000.0	106 ± 4.2
3333.0	122 ± 1.9 <sup>p</sup>
10000.0	70 ± 7.5 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	414 ± 25.2
Positive Control <sup>6</sup>	
Positive Control <sup>8</sup>	

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**G06: Ames Summary Data**

Date Report Requested: 09/12/2018

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

Time Report Requested: 04:33:27

CAS Number: 1912-24-9

**Strain: TA98**

<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>	19 ± 1.8	19 ± 1.2	26 ± 0.6	25 ± 5.3	33 ± 6.4
10.0	18 ± 3.8	18 ± 2.4	35 ± 1.7	22 ± 3.2	
33.0	15 ± 2.3	20 ± 0.9	31 ± 3.2	24 ± 3.7	31 ± 6.1
100.0	17 ± 3.1	21 ± 2.5	29 ± 0.6	17 ± 0.9	28 ± 6.4
333.0	13 ± 2.4	14 ± 3.8	25 ± 4.0	24 ± 1.8	35 ± 2.2
1000.0	7 ± 2.3	13 ± 2.1	22 ± 3.2	18 ± 0.6	26 ± 3.8
3333.0					21 ± 4.2 <sup>p</sup>
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					499 ± 39.3
Positive Control <sup>4</sup>			316 ± 45.7	115 ± 7.3	
Positive Control <sup>9</sup>	645 ± 32.0	624 ± 29.9			

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Mutagenicity

G06: Ames Summary Data  
Test Compound: Atrazine  
CAS Number: 1912-24-9

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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	25 ± 0.9
10.0	
33.0	
100.0	24 ± 0.3
333.0	23 ± 2.4
1000.0	20 ± 1.5
3333.0	12 ± 1.9 <sup>p</sup>
10000.0	12 ± 1.2 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	251 ± 0.9
Positive Control <sup>9</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: 0.5 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate Sodium Azide
- 4: 1.0 ug/Plate 2-Aminoanthracene
- 5: 2.0 ug/Plate 2-Aminoanthracene
- 6: 2.5 ug/Plate 2-Aminoanthracene
- 7: 5.0 ug/Plate 2-Aminoanthracene
- 8: 50.0 ug/Plate 9-Aminoacridine
- 9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate

\*\* END OF REPORT \*\*