

Experiment Number: **A90637**

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

**G06: Ames Summary Data**

Test Compound: **Cyclopentane**

CAS Number: **287-92-3**

Date Report Requested: **09/15/2018**

Time Report Requested: **11:45:24**

**NTP Study Number:**

A90637

**Study Result:**

Negative

Experiment Number: A90637

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Cyclopentane

CAS Number: 287-92-3

Date Report Requested: 09/15/2018

Time Report Requested: 11:45:24

## 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>	119 ± 3.0	122 ± 13.9	109 ± 4.8	120 ± 7.2	111 ± 2.0
100.0	132 ± 5.9	105 ± 6.1	115 ± 3.2	120 ± 5.5	116 ± 1.0
333.0	125 ± 5.0	113 ± 11.8	106 ± 4.6	140 ± 8.4	97 ± 3.2
1000.0	121 ± 4.8	97 ± 3.5	107 ± 2.2	138 ± 2.6	101 ± 3.6
3333.0	124 ± 3.7	118 ± 8.7	99 ± 5.8	120 ± 4.1	88 ± 4.1
10000.0	95 ± 9.1 <sup>s</sup>	85 ± 9.1 <sup>s</sup>	88 ± 1.5 <sup>s</sup>	95 ± 13.7 <sup>s</sup>	71 ± 5.9 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					567 ± 4.7
Positive Control <sup>3</sup>			533 ± 8.1		
Positive Control <sup>4</sup>	847 ± 33.6	715 ± 10.1			
Positive Control <sup>5</sup>				618 ± 11.4	

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G06: Ames Summary Data  
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Date Report Requested: 09/15/2018  
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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	143 ± 9.9
100.0	153 ± 10.1
333.0	137 ± 2.7
1000.0	138 ± 5.9
3333.0	137 ± 5.0
10000.0	109 ± 3.2 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	651 ± 27.8
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: Cyclopentane

CAS Number: 287-92-3

Date Report Requested: 09/15/2018

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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>	14 ± 2.3	7 ± 0.3	11 ± 1.2	7 ± 1.2	7 ± 0.0
100.0	10 ± 0.9	8 ± 2.3	7 ± 0.3	5 ± 0.7	8 ± 0.6
333.0	13 ± 2.3	8 ± 1.7	9 ± 1.5	6 ± 0.3	9 ± 0.3
1000.0	10 ± 1.2	8 ± 1.0	6 ± 0.6	11 ± 2.2	7 ± 0.0
3333.0	10 ± 1.2	10 ± 0.9	7 ± 0.0	7 ± 1.5	8 ± 0.3
10000.0	7 ± 0.9 <sup>s</sup>	4 ± 0.3 <sup>s</sup>	4 ± 0.6 <sup>s</sup>	2 ± 0.3 <sup>s</sup>	2 ± 0.3 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					95 ± 18.0
Positive Control <sup>4</sup>	877 ± 17.5	821 ± 12.8			
Positive Control <sup>5</sup>			108 ± 9.1		
Positive Control <sup>6</sup>				86 ± 7.3	

Experiment Number: A90637  
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G06: Ames Summary Data  
Test Compound: Cyclopentane  
CAS Number: 287-92-3

Date Report Requested: 09/15/2018  
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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 2.0
100.0	6 ± 0.0
333.0	9 ± 1.5
1000.0	8 ± 0.9
3333.0	7 ± 0.0
10000.0	5 ± 0.6 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	105 ± 6.2
Positive Control <sup>6</sup>	

Experiment Number: A90637

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

Test Compound: Cyclopentane

CAS Number: 287-92-3

Date Report Requested: 09/15/2018

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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>	138 ± 4.7	133 ± 7.6	165 ± 5.6	196 ± 5.2	147 ± 3.8
100.0	148 ± 15.3	137 ± 9.9	141 ± 4.3	188 ± 10.2	135 ± 1.5
333.0	135 ± 4.4	150 ± 3.4	146 ± 7.8	186 ± 6.7	136 ± 4.9
1000.0	131 ± 7.4	138 ± 7.4	151 ± 6.1	188 ± 7.3	129 ± 10.6
3333.0	137 ± 6.0	146 ± 0.3	120 ± 2.0	192 ± 5.0	104 ± 8.6
10000.0	105 ± 8.1 <sup>s</sup>	83 ± 7.6 <sup>s</sup>	62 ± 25.8 <sup>s</sup>	99 ± 21.7 <sup>s</sup>	85 ± 15.9 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					423 ± 137.2
Positive Control <sup>3</sup>			439 ± 18.3		
Positive Control <sup>5</sup>				637 ± 12.2	
Positive Control <sup>7</sup>	570 ± 29.4	544 ± 11.4			

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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>	151 ± 8.1
100.0	136 ± 3.8
333.0	136 ± 6.0
1000.0	145 ± 0.7
3333.0	127 ± 3.3
10000.0	106 ± 5.3 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	640 ± 26.1
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

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## G06: Ames Summary Data

Test Compound: Cyclopentane

CAS Number: 287-92-3

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Time Report Requested: 11:45:24

## 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>	19 ± 2.4	18 ± 1.9	21 ± 2.0	23 ± 4.4	19 ± 2.7
100.0	15 ± 0.9	18 ± 0.6	24 ± 3.5	18 ± 0.3	22 ± 2.0
333.0	11 ± 1.2	20 ± 0.6	25 ± 3.3	14 ± 0.7	19 ± 2.8
1000.0	11 ± 2.6	20 ± 1.0	20 ± 4.3	26 ± 2.3	18 ± 2.0
3333.0	11 ± 1.5	25 ± 2.2	16 ± 2.2	26 ± 2.7	19 ± 1.5
10000.0	8 ± 1.2 <sup>s</sup>	12 ± 2.0 <sup>s</sup>	9 ± 1.5 <sup>s</sup>	13 ± 2.4 <sup>s</sup>	14 ± 3.6 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					436 ± 30.4
Positive Control <sup>3</sup>			352 ± 12.4		
Positive Control <sup>8</sup>	339 ± 26.2	513 ± 3.4			
Positive Control <sup>5</sup>				459 ± 9.9	



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	24 ± 3.2
100.0	22 ± 3.5
333.0	17 ± 3.3
1000.0	27 ± 3.0
3333.0	29 ± 2.3
10000.0	14 ± 3.1 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	514 ± 8.1
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 \*\*