

Experiment Number: 629375

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3-Methylcholanthrene

CAS Number: 56-49-5

Date Report Requested: 09/10/2018

Time Report Requested: 17:13:18

**NTP Study Number:**

629375

**Study Result:**

Positive

Experiment Number: 629375

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 3-Methylcholanthrene

CAS Number: 56-49-5

Date Report Requested: 09/10/2018

Time Report Requested: 17:13:18

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	118 ± 4.8	119 ± 9.5	67 ± 6.3	100 ± 9.2	132 ± 4.0
3.3	118 ± 7.2	126 ± 5.5	97 ± 1.2	376 ± 23.5	431 ± 11.9
10.0	119 ± 11.6	113 ± 7.2	815 ± 36.2	659 ± 8.5	701 ± 28.3
33.0	154 ± 6.6	115 ± 9.2	1201 ± 107.0	754 ± 19.4	575 ± 44.7
100.0	146 ± 7.8	134 ± 5.2	1108 ± 50.5	755 ± 64.3	520 ± 28.3
125.0	144 ± 20.7	120 ± 5.9	1311 ± 80.0	752 ± 28.7	696 ± 6.1
Trial Summary	Equivocal	Negative	Positive	Positive	Positive
Positive Control <sup>2</sup>					1520 ± 62.9
Positive Control <sup>3</sup>			991 ± 57.1	739 ± 22.7	
Positive Control <sup>4</sup>	2833 ± 47.9	1361 ± 177.1			

Experiment Number: 629375

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3-Methylcholanthrene

CAS Number: 56-49-5

Date Report Requested: 09/10/2018

Time Report Requested: 17:13:18

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	104 ± 8.4
3.3	311 ± 20.2
10.0	378 ± 2.1
33.0	417 ± 4.9
100.0	402 ± 12.0
125.0	421 ± 8.1
Trial Summary	Positive
Positive Control <sup>2</sup>	1132 ± 247.6
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

Experiment Number: 629375

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3-Methylcholanthrene

CAS Number: 56-49-5

Date Report Requested: 09/10/2018

Time Report Requested: 17:13:18

**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	27 ± 2.7	11 ± 2.0	11 ± 1.5
3.3	22 ± 2.2	10 ± 2.9	11 ± 0.9
10.0	26 ± 2.6	12 ± 3.8	11 ± 1.0
33.0	25 ± 1.7	11 ± 0.9	13 ± 3.3
100.0	25 ± 2.0	11 ± 0.7	8 ± 2.7
125.0	26 ± 1.5	13 ± 0.3	10 ± 1.7
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			121 ± 13.0
Positive Control <sup>3</sup>		117 ± 6.4	
Positive Control <sup>4</sup>	2077 ± 30.7		

Experiment Number: 629375

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 3-Methylcholanthrene

CAS Number: 56-49-5

Date Report Requested: 09/10/2018

Time Report Requested: 17:13:18

## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 2.3	6 ± 0.9	8 ± 1.2	5 ± 1.3	9 ± 1.2
3.3	11 ± 1.2	6 ± 2.0	8 ± 1.5	19 ± 1.2	16 ± 1.8
10.0	6 ± 0.7	7 ± 0.9	12 ± 3.6	28 ± 1.0	22 ± 3.1
33.0	9 ± 2.3	6 ± 1.2	56 ± 3.2	34 ± 3.2	23 ± 3.5
100.0	13 ± 1.5	9 ± 2.3	57 ± 6.8	36 ± 0.9	18 ± 2.1
125.0	7 ± 1.5	6 ± 0.7	50 ± 3.5	26 ± 1.7	27 ± 4.3
Trial Summary	Negative	Negative	Positive	Positive	Weakly Positive
Positive Control <sup>2</sup>					186 ± 4.8
Positive Control <sup>3</sup>			75 ± 10.1	49 ± 10.5	
Positive Control <sup>5</sup>	767 ± 12.1	347 ± 22.3			

Experiment Number: 629375

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3-Methylcholanthrene

CAS Number: 56-49-5

Date Report Requested: 09/10/2018

Time Report Requested: 17:13:18

---

**Strain: TA1537**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 0.6
3.3	16 ± 1.5
10.0	17 ± 0.7
33.0	13 ± 2.4
100.0	15 ± 4.7
125.0	16 ± 0.7
Trial Summary	Equivocal
Positive Control <sup>2</sup>	75 ± 3.9
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

Experiment Number: 629375

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 3-Methylcholanthrene

CAS Number: 56-49-5

Date Report Requested: 09/10/2018

Time Report Requested: 17:13:18

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 2.1	20 ± 0.3	20 ± 3.7	13 ± 1.0	20 ± 1.5
3.3	17 ± 2.9	19 ± 1.5	21 ± 0.9	55 ± 4.3	61 ± 4.9
10.0	19 ± 4.7	19 ± 0.9	73 ± 3.8	209 ± 8.5	139 ± 12.4
33.0	24 ± 3.5	14 ± 0.0	651 ± 29.2	241 ± 1.5	139 ± 17.1
100.0	23 ± 2.7	19 ± 2.0	524 ± 30.0	224 ± 3.8	153 ± 14.4
125.0	22 ± 3.5	22 ± 2.3	625 ± 12.2	212 ± 19.3	130 ± 3.3
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control <sup>2</sup>					1164 ± 41.2
Positive Control <sup>3</sup>			1020 ± 55.7	547 ± 20.0	
Positive Control <sup>6</sup>	1794 ± 10.7	2077 ± 117.8			

Experiment Number: 629375

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3-Methylcholanthrene

CAS Number: 56-49-5

Date Report Requested: 09/10/2018

Time Report Requested: 17:13:18

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	16 ± 2.3
3.3	38 ± 3.8
10.0	87 ± 6.2
33.0	127 ± 7.3
100.0	126 ± 3.7
125.0	72 ± 29.6
Trial Summary	Positive
Positive Control <sup>2</sup>	835 ± 43.1
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	



Experiment Number: 629375

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3-Methylcholanthrene

CAS Number: 56-49-5

Date Report Requested: 09/10/2018

Time Report Requested: 17:13:18

**LEGEND**

---

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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

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