

Experiment Number: 808908

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Eicosane

CAS Number: 112-95-8

Date Report Requested: 09/15/2018

Time Report Requested: 09:41:36

**NTP Study Number:**

808908

**Study Result:**

Negative

Experiment Number: 808908  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Eicosane  
CAS Number: 112-95-8

Date Report Requested: 09/15/2018  
Time Report Requested: 09:41:36

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>	151 ± 4.4	93 ± 3.4	90 ± 6.1	176 ± 11.9	86 ± 0.3
100.0	148 ± 3.6	97 ± 4.4	114 ± 11.4	181 ± 7.7	97 ± 6.5
333.0	171 ± 6.0	88 ± 3.5	110 ± 4.8	167 ± 10.9	98 ± 10.7
1000.0	165 ± 8.7	96 ± 3.5	103 ± 4.1	176 ± 7.1	104 ± 7.8
3333.0	161 ± 4.4	102 ± 5.2	93 ± 8.1	191 ± 7.2	109 ± 9.0
10000.0	154 ± 9.4 <sup>p</sup>	87 ± 4.7 <sup>p</sup>	109 ± 4.6 <sup>p</sup>	194 ± 6.9 <sup>p</sup>	114 ± 11.3 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					416 ± 43.7
Positive Control <sup>3</sup>			407 ± 21.8		
Positive Control <sup>4</sup>	328 ± 1.2	383 ± 4.7			
Positive Control <sup>5</sup>				614 ± 15.8	

Experiment Number: 808908  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Eicosane  
CAS Number: 112-95-8

Date Report Requested: 09/15/2018  
Time Report Requested: 09:41:36

---

Strain: TA100

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	166 ± 9.5
100.0	178 ± 6.4
333.0	177 ± 12.2
1000.0	190 ± 2.6
3333.0	184 ± 13.0
10000.0	197 ± 1.7 <sup>P</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	593 ± 21.6
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

Experiment Number: 808908

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Eicosane

CAS Number: 112-95-8

Date Report Requested: 09/15/2018

Time Report Requested: 09:41:36

## 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>	16 ± 1.2	18 ± 3.1	11 ± 1.8	13 ± 0.7	9 ± 2.2
100.0	15 ± 0.6	14 ± 1.3	5 ± 0.6	11 ± 1.5	7 ± 0.6
333.0	13 ± 0.9	18 ± 1.0	7 ± 0.7	13 ± 3.5	8 ± 3.9
1000.0	10 ± 0.9	16 ± 1.8	8 ± 1.2	11 ± 2.4	7 ± 1.2
3333.0	8 ± 1.8	12 ± 0.7	8 ± 2.8	9 ± 2.9	7 ± 2.2
10000.0	8 ± 0.9 <sup>p</sup>	16 ± 2.5 <sup>p</sup>	5 ± 1.0 <sup>p</sup>	11 ± 0.3 <sup>p</sup>	7 ± 1.5 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					174 ± 17.5
Positive Control <sup>4</sup>	205 ± 8.7	331 ± 11.2			
Positive Control <sup>5</sup>			167 ± 4.5		
Positive Control <sup>6</sup>				60 ± 3.0	

Experiment Number: 808908  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Eicosane  
CAS Number: 112-95-8

Date Report Requested: 09/15/2018  
Time Report Requested: 09:41:36

---

Strain: TA1535

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 1.7
100.0	9 ± 1.2
333.0	11 ± 3.1
1000.0	7 ± 2.2
3333.0	4 ± 0.6
10000.0	10 ± 2.3 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	205 ± 21.1
Positive Control <sup>6</sup>	

Experiment Number: 808908  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Eicosane  
CAS Number: 112-95-8

Date Report Requested: 09/15/2018  
Time Report Requested: 09:41:36

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 2.2	8 ± 0.3	8 ± 0.9
100.0	7 ± 0.7	9 ± 1.2	6 ± 0.6
333.0	8 ± 2.2	9 ± 1.9	9 ± 1.0
1000.0	7 ± 0.0	8 ± 1.0	7 ± 0.9
3333.0	11 ± 2.5	7 ± 1.2	9 ± 0.7
10000.0	9 ± 0.6 <sup>p</sup>	6 ± 1.0 <sup>p</sup>	8 ± 0.6 <sup>p</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>			56 ± 3.8
Positive Control <sup>5</sup>		42 ± 3.2	
Positive Control <sup>7</sup>	241 ± 17.4		

Experiment Number: 808908  
 Test Type: Genetic Toxicology - Bacterial  
 Mutagenicity

G06: Ames Summary Data  
 Test Compound: Eicosane  
 CAS Number: 112-95-8

Date Report Requested: 09/15/2018  
 Time Report Requested: 09:41:36

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>	159 ± 3.8	188 ± 5.0	191 ± 16.0	217 ± 2.7	174 ± 14.8
100.0	159 ± 13.4	184 ± 11.7	208 ± 3.4	207 ± 7.8	182 ± 14.5
333.0	175 ± 8.7	183 ± 8.5	201 ± 15.5	207 ± 2.3	142 ± 4.4
1000.0	140 ± 9.5	192 ± 10.1	189 ± 9.8	211 ± 6.4	178 ± 5.0
3333.0	151 ± 1.9	182 ± 9.9	190 ± 13.0	209 ± 2.7	188 ± 13.3
10000.0	150 ± 7.9 <sup>p</sup>	200 ± 9.0 <sup>p</sup>	203 ± 4.6 <sup>p</sup>	190 ± 7.0 <sup>p</sup>	181 ± 9.0 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					406 ± 20.2
Positive Control <sup>3</sup>			465 ± 33.2		
Positive Control <sup>5</sup>				351 ± 5.8	
Positive Control <sup>7</sup>	611 ± 38.1	617 ± 90.0			

Experiment Number: 808908  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Eicosane  
CAS Number: 112-95-8

Date Report Requested: 09/15/2018  
Time Report Requested: 09:41:36

---

Strain: TA97

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	205 ± 4.0
100.0	203 ± 6.5
333.0	168 ± 1.9
1000.0	194 ± 18.2
3333.0	179 ± 18.4
10000.0	168 ± 5.7 <sup>P</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	395 ± 1.3
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

Experiment Number: 808908

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Eicosane

CAS Number: 112-95-8

Date Report Requested: 09/15/2018

Time Report Requested: 09:41:36

## 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>	21 ± 1.5	17 ± 2.0	25 ± 3.4	31 ± 4.5	30 ± 1.2
100.0	17 ± 2.1	14 ± 2.1	22 ± 3.0	19 ± 1.2	30 ± 0.9
333.0	22 ± 4.0	16 ± 4.3	25 ± 5.9	31 ± 1.5	26 ± 4.3
1000.0	15 ± 1.8	17 ± 1.8	26 ± 2.5	29 ± 4.7	22 ± 1.2
3333.0	20 ± 0.6	16 ± 3.0	23 ± 2.1	35 ± 1.5	31 ± 0.6
10000.0	18 ± 1.5 <sup>p</sup>	16 ± 0.6 <sup>p</sup>	21 ± 1.2 <sup>p</sup>	33 ± 2.1 <sup>p</sup>	25 ± 0.9 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					416 ± 13.8
Positive Control <sup>3</sup>			404 ± 29.4	134 ± 8.5	
Positive Control <sup>8</sup>	401 ± 22.5	447 ± 15.3			

Experiment Number: 808908  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Eicosane  
CAS Number: 112-95-8

Date Report Requested: 09/15/2018  
Time Report Requested: 09:41:36

---

Strain: TA98

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	39 ± 2.4
100.0	42 ± 5.8
333.0	33 ± 4.4
1000.0	26 ± 2.9
3333.0	29 ± 2.3
10000.0	35 ± 4.6 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	364 ± 18.9
Positive Control <sup>8</sup>	

Experiment Number: 808908

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data

Test Compound: Eicosane

CAS Number: 112-95-8

Date Report Requested: 09/15/2018

Time Report Requested: 09:41:36

## 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: Acetone

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

\*\* END OF REPORT \*\*