

Experiment Number: A49676

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

**G06: Ames Summary Data**

Test Compound: **Ethyl bromoacetate**

CAS Number: **105-36-2**

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

Time Report Requested: **03:40:16**

**NTP Study Number:**

A49676

**Study Result:**

Positive

Experiment Number: A49676

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Ethyl bromoacetate

CAS Number: 105-36-2

Date Report Requested: 09/17/2018

Time Report Requested: 03:40:16

## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	136 ± 3.4	146 ± 8.1	133 ± 3.3	148 ± 5.8	151 ± 6.8
1.0	144 ± 8.7				
3.0	152 ± 6.4		130 ± 0.7		150 ± 1.9
10.0	119 ± 11.7	140 ± 5.8	134 ± 2.8	155 ± 12.3	149 ± 5.9
33.0	117 ± 5.3	151 ± 14.6	146 ± 6.2	186 ± 4.1	170 ± 2.0
100.0	Toxic	190 ± 4.1	190 ± 4.3	232 ± 12.3	248 ± 14.0
166.0			270 ± 16.4		295 ± 4.2
333.0		382 ± 7.7	331 ± 18.2	363 ± 21.2	345 ± 10.9
1000.0		Toxic		62 ± 16.5 <sup>s</sup>	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>				687 ± 20.5	817 ± 9.3
Positive Control <sup>3</sup>		559 ± 18.8	669 ± 27.3		
Positive Control <sup>4</sup>	901 ± 16.9				

Experiment Number: A49676

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Ethyl bromoacetate

CAS Number: 105-36-2

Date Report Requested: 09/17/2018

Time Report Requested: 03:40:16

**Strain: TA98**

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	25 ± 2.3	31 ± 1.5	24 ± 2.7
1.0	19 ± 0.3		
3.0	31 ± 8.8		
10.0	22 ± 1.3	28 ± 2.1	23 ± 2.1
33.0	11 ± 1.2 <sup>5</sup>	26 ± 2.7	25 ± 5.6
100.0	Toxic	25 ± 0.9	25 ± 2.1
333.0		24 ± 3.2	22 ± 0.9
1000.0		Toxic	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			424 ± 22.4
Positive Control <sup>5</sup>	432 ± 18.4		
Positive Control <sup>3</sup>		368 ± 12.8	

Experiment Number: A49676

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

**G06: Ames Summary Data**

Test Compound: **Ethyl bromoacetate**

CAS Number: **105-36-2**

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

Time Report Requested: **03:40:16**

**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: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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