

Experiment Number: 518172

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

**G06: Ames Summary Data**

Test Compound: **Probenecid**

CAS Number: 57-66-9

Date Report Requested: 09/12/2018

Time Report Requested: 17:21:20

**NTP Study Number:**

518172

**Study Result:**

Negative

Experiment Number: 518172

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 09/12/2018

Time Report Requested: 17:21:20

## 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>	108 ± 4.4	149 ± 17.0	124 ± 4.3	226 ± 9.8	113 ± 4.0
33.0		116 ± 6.0		174 ± 18.3	
100.0	88 ± 4.0	101 ± 13.0	98 ± 1.5	140 ± 20.8	118 ± 1.5
333.0	79 ± 2.0	107 ± 2.9	95 ± 0.9	154 ± 11.3	104 ± 5.3
1000.0	87 ± 2.7	111 ± 1.0	123 ± 2.0	177 ± 29.4	100 ± 13.9
3333.0	67 ± 1.2	109 ± 10.9	119 ± 7.3	162 ± 32.3	99 ± 1.5
10000.0	80 ± 2.0		135 ± 4.0		115 ± 4.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1304 ± 19.4	2422 ± 93.2	1215 ± 22.4
Positive Control <sup>3</sup>	492 ± 24.8	437 ± 24.4			

Experiment Number: 518172  
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**  
Test Compound: **Probenecid**  
CAS Number: 57-66-9

Date Report Requested: 09/12/2018  
Time Report Requested: 17:21:20

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	222 ± 1.7
33.0	128 ± 13.6
100.0	151 ± 6.9
333.0	145 ± 1.3
1000.0	142 ± 1.9
3333.0	146 ± 27.9
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	2216 ± 32.0
Positive Control <sup>3</sup>	

Experiment Number: 518172  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Probenecid  
CAS Number: 57-66-9

Date Report Requested: 09/12/2018  
Time Report Requested: 17:21:20

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 0.9	8 ± 0.9	15 ± 4.5	12 ± 1.8	10 ± 2.1
33.0		4 ± 0.9		5 ± 2.0	
100.0	6 ± 0.3	6 ± 0.0	12 ± 1.5	8 ± 0.7	7 ± 1.0
333.0	4 ± 0.6	4 ± 0.0	13 ± 2.0	6 ± 2.0	7 ± 0.9
1000.0	6 ± 0.3	6 ± 0.3	11 ± 2.7	6 ± 1.8	5 ± 0.5
3333.0	4 ± 0.3	3 ± 0.7	11 ± 1.7	6 ± 1.5	11 ± 1.2
10000.0	4 ± 0.9		6 ± 1.0		3 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			94 ± 12.8	226 ± 14.4	59 ± 4.7
Positive Control <sup>3</sup>	491 ± 31.1	727 ± 40.8			

Experiment Number: 518172  
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**  
Test Compound: **Probenecid**  
CAS Number: 57-66-9

Date Report Requested: 09/12/2018  
Time Report Requested: 17:21:20

---

**Strain: TA1535**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	12 ± 1.5
33.0	9 ± 1.3
100.0	7 ± 1.2
333.0	6 ± 1.8
1000.0	4 ± 1.2
3333.0	7 ± 3.3
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	118 ± 6.5
Positive Control <sup>3</sup>	

Experiment Number: 518172

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity**G06: Ames Summary Data**

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 09/12/2018

Time Report Requested: 17:21:20

**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	3 ± 0.3	3 ± 0.3	4 ± 1.8	7 ± 1.3	5 ± 1.2
33.0		3 ± 1.5		5 ± 1.8	
100.0	3 ± 0.9	2 ± 0.9	3 ± 0.6	3 ± 1.2	7 ± 0.9
333.0	3 ± 0.6	2 ± 0.9	9 ± 2.3	12 ± 3.0	6 ± 1.5
1000.0	1 ± 0.3	3 ± 0.9	6 ± 1.7	8 ± 2.0	7 ± 1.2
3333.0	1 ± 0.3	2 ± 0.5	2 ± 0.3	3 ± 0.0	5 ± 1.0
10000.0	Toxic		6 ± 0.9		6 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			89 ± 7.4	192 ± 20.2	135 ± 7.7
Positive Control <sup>4</sup>	769 ± 48.3	473 ± 104.5			

Experiment Number: 518172  
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**  
Test Compound: **Probenecid**  
CAS Number: 57-66-9

Date Report Requested: 09/12/2018  
Time Report Requested: 17:21:20

---

**Strain: TA1537**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 2.7
33.0	3 ± 2.3
100.0	8 ± 1.0
333.0	7 ± 1.0
1000.0	8 ± 1.0
3333.0	3 ± 2.1
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	201 ± 12.8
Positive Control <sup>4</sup>	

Experiment Number: 518172  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Probenecid  
CAS Number: 57-66-9

Date Report Requested: 09/12/2018  
Time Report Requested: 17:21:20

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>	22 ± 4.7	15 ± 3.5	29 ± 4.9	23 ± 3.0	29 ± 2.0
33.0		12 ± 1.3		21 ± 0.9	
100.0	23 ± 1.0	14 ± 0.9	20 ± 1.2	21 ± 2.7	17 ± 3.8
333.0	21 ± 1.9	11 ± 1.8	28 ± 3.7	24 ± 2.2	23 ± 0.9
1000.0	18 ± 1.7	13 ± 0.7	35 ± 1.7	24 ± 5.9	25 ± 3.2
3333.0	14 ± 0.6	12 ± 2.2	20 ± 3.6	22 ± 3.2	32 ± 0.6
10000.0	19 ± 0.9		30 ± 2.5		29 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			889 ± 73.1	1551 ± 38.6	870 ± 42.1
Positive Control <sup>5</sup>	138 ± 9.9	184 ± 9.7			



Experiment Number: 518172  
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**  
Test Compound: **Probenecid**  
CAS Number: 57-66-9

Date Report Requested: 09/12/2018  
Time Report Requested: 17:21:20

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	28 ± 1.3
33.0	22 ± 1.8
100.0	20 ± 2.3
333.0	23 ± 2.1
1000.0	21 ± 3.7
3333.0	28 ± 1.7
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	1436 ± 21.4
Positive Control <sup>5</sup>	

Experiment Number: 518172

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

**G06: Ames Summary Data**

Test Compound: **Probenecid**

CAS Number: 57-66-9

Date Report Requested: 09/12/2018

Time Report Requested: 17:21:20

### **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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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