

Experiment Number: A00829

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: n-Butanol

CAS Number: 71-36-3

Date Report Requested: 09/15/2018

Time Report Requested: 11:00:56

**NTP Study Number:**

A00829

**Study Result:**

Negative

Experiment Number: A00829  
 Test Type: Genetic Toxicology - Bacterial  
 Mutagenicity

G06: Ames Summary Data  
 Test Compound: n-Butanol  
 CAS Number: 71-36-3

Date Report Requested: 09/15/2018  
 Time Report Requested: 11:00:56

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>	98 ± 9.0	107 ± 5.0	113 ± 3.7	113 ± 5.5	115 ± 4.0
33.0	98 ± 4.9				
100.0	88 ± 2.7	117 ± 2.0	118 ± 1.2	119 ± 12.2	116 ± 3.4
333.0	104 ± 3.2	114 ± 3.4	111 ± 5.1	108 ± 4.9	112 ± 5.0
1000.0	92 ± 1.5	106 ± 1.0	111 ± 4.6	116 ± 7.9	118 ± 1.7
3333.0	95 ± 5.9	113 ± 4.3	116 ± 2.8	94 ± 10.6	108 ± 1.5
6666.0		108 ± 1.3			
10000.0			119 ± 1.5	63 ± 21.7 <sup>s</sup>	110 ± 4.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					479 ± 5.5
Positive Control <sup>3</sup>			368 ± 11.5		
Positive Control <sup>4</sup>	847 ± 23.6	769 ± 41.1			
Positive Control <sup>5</sup>				477 ± 12.4	

Experiment Number: A00829  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: n-Butanol  
CAS Number: 71-36-3

Date Report Requested: 09/15/2018  
Time Report Requested: 11:00:56

---

Strain: TA100

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	126 ± 8.7
33.0	
100.0	123 ± 9.7
333.0	106 ± 5.2
1000.0	105 ± 15.6
3333.0	107 ± 11.0
6666.0	
10000.0	100 ± 6.1
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	527 ± 10.1
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

Experiment Number: A00829  
 Test Type: Genetic Toxicology - Bacterial  
 Mutagenicity

G06: Ames Summary Data  
 Test Compound: n-Butanol  
 CAS Number: 71-36-3

Date Report Requested: 09/15/2018  
 Time Report Requested: 11:00:56

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>	12 ± 1.9	13 ± 3.3	14 ± 0.7	22 ± 2.7	10 ± 1.0
33.0	16 ± 1.5				
100.0	16 ± 1.3	8 ± 0.3	9 ± 0.9	14 ± 1.2	9 ± 1.9
333.0	13 ± 2.9	13 ± 0.7	11 ± 1.8	13 ± 3.5	11 ± 0.7
1000.0	14 ± 3.8	12 ± 1.8	10 ± 1.0	10 ± 1.5	9 ± 1.7
3333.0	16 ± 2.1	10 ± 1.8	12 ± 1.5	17 ± 1.7	9 ± 2.1
6666.0		3 ± 1.0 <sup>s</sup>			
10000.0			6 ± 0.9	13 ± 0.6	6 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					144 ± 10.0
Positive Control <sup>4</sup>	663 ± 16.3	811 ± 25.4			
Positive Control <sup>5</sup>			116 ± 5.5		
Positive Control <sup>6</sup>				170 ± 6.2	

Experiment Number: A00829  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: n-Butanol  
CAS Number: 71-36-3

Date Report Requested: 09/15/2018  
Time Report Requested: 11:00:56

---

Strain: TA1535

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 2.8
33.0	
100.0	11 ± 2.7
333.0	15 ± 0.6
1000.0	11 ± 2.2
3333.0	14 ± 1.2
6666.0	
10000.0	9 ± 1.9
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	265 ± 3.5
Positive Control <sup>6</sup>	

Experiment Number: A00829

## G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

Test Compound: n-Butanol

Time Report Requested: 11:00:56

CAS Number: 71-36-3

## 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>	146 ± 0.0	112 ± 5.2	120 ± 4.5	163 ± 8.3	111 ± 3.5
0.0	0 ± 0.0				
33.0	125 ± 19.7				
100.0	125 ± 6.9	103 ± 3.6	144 ± 2.8	151 ± 2.3	110 ± 7.6
333.0	125 ± 9.0	105 ± 2.6	140 ± 6.0	152 ± 3.5	116 ± 9.9
1000.0	134 ± 9.3	114 ± 0.9	143 ± 8.4	159 ± 16.0	135 ± 2.5
3333.0	131 ± 10.3	114 ± 2.0	138 ± 3.9	159 ± 6.6	128 ± 6.1
6666.0		105 ± 9.7			
10000.0			127 ± 18.0	159 ± 15.2	113 ± 6.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					504 ± 41.3
Positive Control <sup>3</sup>			456 ± 12.2		
Positive Control <sup>5</sup>				653 ± 50.1	
Positive Control <sup>7</sup>	372 ± 14.4	286 ± 7.2			

Experiment Number: A00829  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: n-Butanol  
CAS Number: 71-36-3

Date Report Requested: 09/15/2018  
Time Report Requested: 11:00:56

---

Strain: TA97

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	118 ± 4.2
0.0	
33.0	
100.0	130 ± 6.6
333.0	142 ± 10.5
1000.0	156 ± 5.1
3333.0	142 ± 4.4
6666.0	
10000.0	131 ± 3.4
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	579 ± 30.8
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

Experiment Number: A00829  
 Test Type: Genetic Toxicology - Bacterial  
 Mutagenicity

G06: Ames Summary Data  
 Test Compound: n-Butanol  
 CAS Number: 71-36-3

Date Report Requested: 09/15/2018  
 Time Report Requested: 11:00:56

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	20 ± 1.5	18 ± 1.5	25 ± 2.9	13 ± 2.6
33.0	20 ± 3.8				
100.0	17 ± 1.8	13 ± 1.0	18 ± 4.1	29 ± 4.6	19 ± 3.0
333.0	23 ± 5.3	23 ± 1.3	21 ± 5.0	19 ± 2.5	16 ± 2.7
1000.0	20 ± 0.0	14 ± 3.7	13 ± 2.3	19 ± 4.8	12 ± 2.7
3333.0	23 ± 5.4	18 ± 0.7	15 ± 1.0	13 ± 2.0	14 ± 2.9
6666.0		10 ± 3.0			
10000.0			16 ± 4.7	9 ± 2.6 <sup>s</sup>	19 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					279 ± 20.5
Positive Control <sup>3</sup>			213 ± 0.9		
Positive Control <sup>8</sup>	290 ± 6.2	287 ± 3.8			
Positive Control <sup>5</sup>				267 ± 15.4	



Experiment Number: A00829  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: n-Butanol  
CAS Number: 71-36-3

Date Report Requested: 09/15/2018  
Time Report Requested: 11:00:56

---

Strain: TA98

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	27 ± 3.2
33.0	
100.0	20 ± 4.4
333.0	18 ± 3.0
1000.0	21 ± 3.4
3333.0	20 ± 3.5
6666.0	
10000.0	19 ± 3.2
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	305 ± 3.2
Positive Control <sup>8</sup>	
Positive Control <sup>5</sup>	

Experiment Number: A00829  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: n-Butanol  
CAS Number: 71-36-3

Date Report Requested: 09/15/2018  
Time Report Requested: 11:00:56

#### 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: 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 \*\*