

Experiment Number: **A98283**

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

**G06: Ames Summary Data**

Test Compound: **Perfluorooctanoic Acid**

CAS Number: **335-67-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **17:18:22**

**NTP Study Number:**

A98283

**Study Result:**

Equivocal

Experiment Number: A98283

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Perfluorooctanoic Acid  
CAS Number: 335-67-1

Date Report Requested: 09/15/2018

Time Report Requested: 17:18:22

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	44 ± 7.3	51 ± 5.0	49 ± 2.7	47 ± 2.8	54 ± 6.1
100.0	44 ± 2.9	62 ± 2.0			60 ± 1.5
250.0	50 ± 4.4	52 ± 4.5			64 ± 3.8
500.0	50 ± 7.2	56 ± 1.7	53 ± 2.6	34 ± 4.7	68 ± 4.9
750.0	26 ± 2.1	50 ± 6.3			
1000.0	27 ± 4.9	34 ± 4.8	54 ± 1.0	36 ± 3.5	53 ± 3.8
2000.0			54 ± 2.3	34 ± 4.8	32 ± 4.3
3500.0			45 ± 3.5	41 ± 5.4	
5000.0			36 ± 6.6	38 ± 1.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	385 ± 4.4	377 ± 22.1			
Positive Control <sup>3</sup>			985 ± 38.5	648 ± 20.5	831 ± 92.6

Experiment Number: A98283

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/15/2018

Time Report Requested: 17:18:22

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	14 ± 1.2	12 ± 0.7	21 ± 0.9	13 ± 1.3	26 ± 1.2
100.0	28 ± 0.3	17 ± 3.6			
250.0	30 ± 4.6	25 ± 2.6			
500.0	34 ± 2.4	18 ± 1.8	20 ± 3.6	48 ± 6.0	30 ± 3.3
750.0	34 ± 2.0	28 ± 7.6			
1000.0	24 ± 3.8	18 ± 0.3	20 ± 1.5	39 ± 3.3	24 ± 0.6
2000.0			Toxic	42 ± 2.0	24 ± 5.9
3500.0			Toxic	42 ± 4.0	22 ± 1.8
5000.0			Toxic	41 ± 6.2	21 ± 1.5
Trial Summary	Positive	Equivocal	Negative	Positive	Negative
Positive Control <sup>3</sup>				500 ± 27.9	826 ± 49.9
Positive Control <sup>4</sup>	170 ± 5.5	427 ± 4.0	874 ± 29.1		

Experiment Number: A98283  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Perfluorooctanoic Acid  
CAS Number: 335-67-1

Date Report Requested: 09/15/2018  
Time Report Requested: 17:18:22

---

Strain: TA98

---

Dose (ug/Plate)	With 10% Rat S9
Vehicle Control <sup>1</sup>	30 ± 2.2
100.0	
250.0	
500.0	33 ± 0.9
750.0	
1000.0	18 ± 0.6
2000.0	20 ± 3.0
3500.0	19 ± 1.2
5000.0	17 ± 0.3
Trial Summary	Negative
Positive Control <sup>3</sup>	1533 ± 29.1
Positive Control <sup>4</sup>	

Experiment Number: A98283

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/15/2018

Time Report Requested: 17:18:22

## Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	178 ± 17.1	200 ± 12.5	164 ± 20.0	242 ± 9.2	246 ± 16.5
10.0			146 ± 9.2		
25.0			131 ± 9.1		
50.0			143 ± 4.9		
100.0	206 ± 14.0	234 ± 3.9	148 ± 2.1		
250.0	197 ± 8.6	208 ± 9.7	147 ± 9.7		
500.0	183 ± 7.3	194 ± 6.6			
750.0	149 ± 17.0	176 ± 9.3			
1000.0	101 ± 16.2	183 ± 3.7		242 ± 3.7	243 ± 8.7
2500.0				252 ± 11.4	265 ± 7.2
5000.0				234 ± 8.4	262 ± 7.8
7500.0				246 ± 17.6	241 ± 13.9
10000.0				214 ± 7.7	265 ± 6.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>				752 ± 7.4	713 ± 18.2
Positive Control <sup>6</sup>	768 ± 5.4	663 ± 46.0	2139 ± 53.2		

Experiment Number: A98283  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Perfluorooctanoic Acid  
CAS Number: 335-67-1

Date Report Requested: 09/15/2018  
Time Report Requested: 17:18:22

#### 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 Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

\*\* END OF REPORT \*\*