

Experiment Number: A32037

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

G06: Ames Summary Data

Test Compound: **Perfluorobutane sulfonate (PFBS)**

CAS Number: 375-73-5

Date Report Requested: 08/01/2019

Time Report Requested: 10:42:17

NTP Study Number:

A32037

Study Result:

Equivocal

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	68 ± 2.5	53 ± 2.3	57 ± 1.5
50.0	51 ± 1.5		
100.0	55 ± 1.2		
200.0	53 ± 1.7		
350.0	52 ± 11.9		
500.0	59 ± 4.5	63 ± 6.1	51 ± 2.0
1000.0		53 ± 3.7	51 ± 0.7
2000.0		50 ± 2.1	40 ± 0.6
3500.0		47 ± 3.2	40 ± 2.0
5000.0		70 ± 8.7	54 ± 2.6
Trial Summary	Negative	Negative	Negative
Positive Control ²	377 ± 22.1		
Positive Control ³		985 ± 38.5	648 ± 20.5

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	12 ± 1.2	17 ± 2.3	13 ± 1.8	29 ± 1.9	21 ± 3.5
50.0	46 ± 3.8	17 ± 1.7			
100.0	37 ± 1.9	14 ± 2.0			
200.0	27 ± 2.1	19 ± 8.3			
350.0	41 ± 4.4	13 ± 0.9			
500.0	29 ± 1.2	11 ± 2.3	41 ± 4.3	22 ± 1.0	23 ± 0.9
1000.0			41 ± 1.3	14 ± 3.5	20 ± 2.7
2000.0			40 ± 6.4	16 ± 5.5	24 ± 1.2
3500.0			43 ± 2.5	21 ± 1.8	41 ± 2.3
5000.0			45 ± 7.8	41 ± 2.1	35 ± 9.2
Trial Summary	Positive	Negative	Positive	Negative	Equivocal
Positive Control ³			500 ± 27.9	826 ± 49.9	473 ± 19.8
Positive Control ⁴	170 ± 5.5	427 ± 4.0			

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	193 ± 6.5	229 ± 13.3	244 ± 9.2	229 ± 13.3
50.0	201 ± 10.9	212 ± 5.5		
100.0	207 ± 7.2	228 ± 10.5	285 ± 14.6	289 ± 6.1
200.0	186 ± 6.0	211 ± 16.4	300 ± 13.5	311 ± 14.7
350.0	220 ± 11.0	165 ± 21.5		
500.0	226 ± 8.5	217 ± 6.8	285 ± 2.6	262 ± 24.6
750.0			263 ± 4.4	268 ± 7.5
1000.0			284 ± 3.8	273 ± 19.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			752 ± 7.4	713 ± 18.2
Positive Control ⁶	768 ± 5.4	663 ± 46.0		

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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

The S9 fraction refers to the liver unless otherwise indicated

1: Vehicle Control: Water

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 ****