

Experiment Number: A33826

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

G06: Ames Summary Data

Test Compound: **Perfluorooctane Sulfonate**

CAS Number: 1763-23-1

Date Report Requested: **09/16/2018**

Time Report Requested: **17:46:27**

NTP Study Number:

A33826

Study Result:

Negative

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Test Compound: Perfluorooctane Sulfonate

CAS Number: 1763-23-1

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	44 ± 7.3		49 ± 2.7	
Vehicle Control ²		68 ± 2.5		57 ± 1.5
100.0	56 ± 1.2	50 ± 5.3		
250.0	43 ± 7.3	51 ± 4.5		
500.0	32 ± 5.5	51 ± 8.2	45 ± 1.0	54 ± 1.8
750.0	32 ± 2.2	51 ± 3.4		
1000.0	27 ± 6.4	37 ± 2.0	52 ± 1.2	51 ± 1.0
2000.0			40 ± 0.6	42 ± 1.9
3500.0			36 ± 4.8	36 ± 0.3
5000.0			33 ± 4.9	21 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³		377 ± 22.1		
Positive Control ⁴	385 ± 4.4			
Positive Control ⁵			985 ± 38.5	648 ± 20.5

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Mutagenicity**Test Compound: **Perfluorooctane Sulfonate**

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CAS Number: 1763-23-1

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ²		17 ± 2.3		29 ± 1.9	
Vehicle Control ¹	14 ± 1.2		13 ± 1.3		21 ± 3.5
100.0	22 ± 1.3	18 ± 0.3			
250.0	30 ± 3.0	15 ± 1.2			
500.0	31 ± 1.7	15 ± 3.0	28 ± 3.0	15 ± 2.9	31 ± 4.3
750.0	22 ± 2.6	17 ± 3.2			
1000.0	28 ± 2.4	18 ± 2.8	37 ± 2.3	13 ± 3.2	24 ± 2.2
2000.0			40 ± 3.1	17 ± 3.6	25 ± 2.2
3500.0			31 ± 1.2	19 ± 2.7	21 ± 2.1
5000.0			35 ± 3.9	11 ± 0.9	15 ± 1.2
Trial Summary	Equivocal	Negative	No Call	Negative	Negative
Positive Control ⁵			500 ± 27.9	826 ± 49.9	473 ± 19.8
Positive Control ⁶	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	178 ± 17.1		242 ± 9.2	
Vehicle Control ²		229 ± 13.3		231 ± 12.9
100.0	158 ± 22.2	207 ± 9.5		
250.0	162 ± 4.9	202 ± 17.0		
500.0	151 ± 5.8	172 ± 3.6		
750.0	178 ± 4.6	196 ± 6.5		
1000.0	171 ± 13.3	209 ± 20.9	268 ± 11.9	255 ± 14.3
2500.0			257 ± 10.0	259 ± 2.4
5000.0			218 ± 40.1	234 ± 16.6
7500.0			221 ± 23.1	233 ± 16.5
10000.0			236 ± 11.0	227 ± 15.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			752 ± 7.4	
Positive Control ⁷				713 ± 18.2
Positive Control ⁸	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

1: Vehicle Control: Dimethyl Sulfoxide

2: Vehicle Control: Water

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Nitrofluorene

7: 20.0 ug/Plate 2-Aminoanthracene

8: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****