

Experiment Number: A59563

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

G06: Ames Summary Data

Test Compound: **Perfluorononanoic Acid**

CAS Number: **375-95-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **10:17:19**

NTP Study Number:

A59563

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	61 ± 2.6	50 ± 3.8	73 ± 5.0	53 ± 3.0
50.0	59 ± 5.8	55 ± 5.7		
100.0	58 ± 7.0	52 ± 2.9	53 ± 2.6	50 ± 3.3
200.0	62 ± 5.8	53 ± 1.2	52 ± 4.2	44 ± 1.0
350.0	61 ± 5.5	53 ± 5.9		
500.0	55 ± 5.5	47 ± 6.7	53 ± 4.2	51 ± 1.5
750.0			68 ± 3.5	39 ± 1.2
1000.0			60 ± 9.8	55 ± 5.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	269 ± 2.7	211 ± 10.7		
Positive Control ³			915 ± 29.2	719 ± 48.6

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 2.5	18 ± 4.3	18 ± 2.5	28 ± 3.7
50.0	10 ± 1.7	13 ± 1.0		
100.0	13 ± 0.9	14 ± 2.0	18 ± 1.2	23 ± 4.7
200.0	9 ± 0.6	12 ± 1.9	10 ± 1.2	22 ± 3.2
350.0	10 ± 0.9	16 ± 2.0		
500.0	2 ± 0.9	11 ± 1.0	9 ± 1.5	24 ± 1.7
750.0			7 ± 0.9	22 ± 1.9
1000.0			8 ± 0.7	22 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			992 ± 26.7	790 ± 13.3
Positive Control ⁴	218 ± 22.7	516 ± 13.8		

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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 ¹		233 ± 11.1	204 ± 5.8	248 ± 8.1	257 ± 5.4
0.0	226 ± 9.3				
10.0			209 ± 6.6		
50.0			153 ± 16.1		
100.0			184 ± 4.2		
500.0	235 ± 9.7	213 ± 11.4	175 ± 10.1		
1000.0	196 ± 12.5	188 ± 13.5	194 ± 9.2	285 ± 3.2	238 ± 10.1
2000.0	137 ± 3.1	143 ± 6.5			
2500.0				277 ± 3.6	256 ± 13.3
3500.0	73 ± 4.4	190 ± 83.7			
5000.0	5 ± 3.5	121 ± 50.9		276 ± 8.1	233 ± 23.8
7500.0				294 ± 16.3	218 ± 3.3
10000.0				296 ± 11.4	230 ± 34.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁵				765 ± 37.4	728 ± 91.8
Positive Control ⁶	624 ± 7.8	554 ± 111.4	1237 ± 37.4		

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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: 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 ****