

Experiment Number: **673074**

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

G06: Ames Summary Data

Test Compound: **1,2-Epoxy-3-fluoropropane**

CAS Number: **503-09-3**

Date Report Requested: **09/12/2018**

Time Report Requested: **06:08:50**

NTP Study Number:

673074

Study Result:

Positive

Experiment Number: 673074

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Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Epoxy-3-fluoropropane
CAS Number: 503-09-3

Date Report Requested: 09/12/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	155 ± 13.3	97 ± 9.0	130 ± 3.8	149 ± 2.0	144 ± 9.7
33.0		170 ± 11.9		147 ± 3.8	
100.0	306 ± 12.9	275 ± 19.2	177 ± 1.5	246 ± 18.8	195 ± 3.5
333.0	509 ± 29.4	462 ± 26.5	329 ± 10.2	461 ± 14.3	333 ± 9.6
1000.0	1167 ± 15.1	1454 ± 114.2	891 ± 14.0	1470 ± 43.7	904 ± 60.8
3333.0	2853 ± 68.1	2424 ± 10.4	2576 ± 88.6	2842 ± 62.0	2541 ± 92.0
10000.0	3047 ± 26.6 ^s		3446 ± 83.0 ^s		2929 ± 314.4 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	470 ± 8.7	153 ± 2.6			
Positive Control ³					510 ± 23.2
Positive Control ⁴			383 ± 27.4	525 ± 19.5	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	96 ± 8.0
33.0	99 ± 5.2
100.0	158 ± 6.4
333.0	287 ± 3.8
1000.0	1211 ± 16.8
3333.0	2309 ± 73.9
10000.0	
Trial Summary	Positive
Positive Control ²	
Positive Control ³	313 ± 5.8
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	21 ± 2.0	32 ± 5.6	36 ± 1.5
100.0	20 ± 0.9	33 ± 2.5	30 ± 3.8
333.0	20 ± 1.8	32 ± 6.9	38 ± 3.3
1000.0	26 ± 0.6	36 ± 4.7	41 ± 3.2
3333.0	33 ± 1.5	41 ± 2.5	51 ± 2.6
10000.0	27 ± 2.2 ^s	39 ± 2.6 ^s	61 ± 2.1 ^s
Trial Summary	Negative	Negative	Equivocal
Positive Control ⁵			86 ± 3.7
Positive Control ³		91 ± 2.2	
Positive Control ⁶	153 ± 10.9		

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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: Water

2: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****