

Experiment Number: 204614

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzo(b)fluoranthene

CAS Number: 205-99-2

Date Report Requested: 09/14/2018

Time Report Requested: 09:02:57

NTP Study Number:

204614

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	153 ± 3.6	183 ± 3.8	153 ± 12.5	141 ± 15.2	166 ± 4.1
0.3			167 ± 14.1		157 ± 7.3
1.0		213 ± 11.3	173 ± 3.7	211 ± 6.4	171 ± 6.5
3.0		229 ± 3.4	238 ± 14.2	254 ± 14.8	194 ± 8.0
6.0		394 ± 5.8	342 ± 1.2		
10.0		429 ± 19.1	380 ± 28.0	439 ± 23.9	345 ± 5.5
33.0		526 ± 19.5		441 ± 30.8	537 ± 14.4
100.0	141 ± 4.7			792 ± 14.2	730 ± 16.2
333.0	118 ± 4.2 ^P				
1000.0	115 ± 9.7 ^P				
3333.0	106 ± 9.2 ^P				
10000.0	82 ± 7.2 ^P				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				812 ± 50.9	948 ± 88.1
Positive Control ³		529 ± 7.9	867 ± 22.0		
Positive Control ⁴	503 ± 5.2				

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	36 ± 2.0	42 ± 6.5	36 ± 5.8	40 ± 5.1	38 ± 2.3
0.3			44 ± 6.8		33 ± 3.7
1.0		48 ± 1.3	38 ± 3.5	42 ± 1.3	37 ± 2.1
3.0		45 ± 4.4	44 ± 3.2	44 ± 4.1	42 ± 0.6
6.0		79 ± 6.7	59 ± 1.5		
10.0		95 ± 4.7	64 ± 0.9	82 ± 2.2	65 ± 4.3
33.0		93 ± 3.2		77 ± 2.3	69 ± 1.5
100.0	27 ± 4.8			115 ± 5.5	78 ± 7.5
333.0	22 ± 2.6 ^P				
1000.0	19 ± 2.1 ^P				
3333.0	26 ± 1.0 ^P				
10000.0	23 ± 2.0 ^P				
Trial Summary	Negative	Positive	Weakly Positive	Positive	Positive
Positive Control ²		168 ± 3.5	156 ± 10.8	770 ± 11.3	631 ± 33.3
Positive Control ⁵	677 ± 20.6				

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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 2-Aminoanthracene
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate

** END OF REPORT **