

Experiment Number: A68930

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Alizarin yellow R sodium salt

CAS Number: 1718-34-9

Date Report Requested: 09/17/2018

Time Report Requested: 14:38:05

NTP Study Number:

A68930

Study Result:

Positive

Experiment Number: A68930

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Alizarin yellow R sodium salt
CAS Number: 1718-34-9

Date Report Requested: 09/17/2018

Time Report Requested: 14:38:05

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	103 ± 6.8	114 ± 5.4	125 ± 3.2	118 ± 4.9	122 ± 20.9
0.0		0 ± 0.0			
10.0	129 ± 6.9				138 ± 4.0
33.0	123 ± 14.4				116 ± 13.0
66.0		116 ± 2.5	132 ± 1.5	122 ± 3.3	
100.0	129 ± 4.2	137 ± 9.0	140 ± 5.3	128 ± 1.7	122 ± 6.6
166.0		153 ± 3.7	144 ± 2.8	139 ± 4.4	
333.0	156 ± 4.2	137 ± 4.6	138 ± 11.0	134 ± 5.5	130 ± 3.8
666.0		99 ± 10.5 ^s	180 ± 3.9 ^s	163 ± 2.6 ^s	
1000.0	54 ± 10.1 ^s				169 ± 7.7 ^s
Trial Summary	Equivocal	Equivocal	Equivocal	Equivocal	Equivocal
Positive Control ²					
Positive Control ³			868 ± 39.6	484 ± 15.4	
Positive Control ⁴	845 ± 23.7	781 ± 40.7			
Positive Control ⁵					483 ± 10.7

Experiment Number: A68930

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Alizarin yellow R sodium salt
CAS Number: 1718-34-9

Date Report Requested: 09/17/2018

Time Report Requested: 14:38:05

Strain: TA100

Dose (ug/Plate)	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	127 ± 3.1	116 ± 4.0	116 ± 0.6
0.0			
10.0			111 ± 5.2
33.0			122 ± 8.4
66.0	132 ± 3.3	123 ± 2.7	
100.0	137 ± 6.0	132 ± 4.1	131 ± 1.5
166.0	148 ± 0.0	134 ± 5.3	
333.0	142 ± 4.3	130 ± 6.2	131 ± 6.3
666.0	178 ± 4.3 ^s	178 ± 5.5 ^s	
1000.0			186 ± 6.7 ^s
Trial Summary	Equivocal	Equivocal	Equivocal
Positive Control ²	646 ± 17.9	511 ± 8.0	
Positive Control ³			544 ± 17.6
Positive Control ⁴			
Positive Control ⁵			

Experiment Number: A68930

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Alizarin yellow R sodium salt
CAS Number: 1718-34-9

Date Report Requested: 09/17/2018

Time Report Requested: 14:38:05

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	23 ± 1.2	19 ± 1.2	24 ± 1.9	18 ± 1.5	31 ± 1.2
10.0	24 ± 2.3	19 ± 1.2	30 ± 0.7	18 ± 0.3	28 ± 3.9
33.0	37 ± 0.7	29 ± 3.7	39 ± 0.9	28 ± 3.2	50 ± 1.7
100.0	86 ± 2.9	74 ± 3.7	61 ± 10.7	77 ± 7.5	59 ± 3.7
333.0	153 ± 4.4	157 ± 5.8	102 ± 1.3	135 ± 15.8	102 ± 6.6
1000.0	122 ± 22.5 ^s	171 ± 9.1 ^s	188 ± 19.0	219 ± 11.1	180 ± 13.1
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁶	410 ± 14.6				
Positive Control ³					558 ± 16.2
Positive Control ⁷		438 ± 16.8			
Positive Control ⁵			644 ± 51.2	645 ± 15.3	

Experiment Number: A68930
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Alizarin yellow R sodium salt
CAS Number: 1718-34-9

Date Report Requested: 09/17/2018
Time Report Requested: 14:38:05

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	20 ± 3.3
10.0	21 ± 4.0
33.0	25 ± 5.9
100.0	51 ± 5.7
333.0	80 ± 7.5
1000.0	172 ± 9.7
Trial Summary	Positive
Positive Control ⁶	
Positive Control ³	667 ± 19.1
Positive Control ⁷	
Positive Control ⁵	

Experiment Number: A68930
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Alizarin yellow R sodium salt
CAS Number: 1718-34-9

Date Report Requested: 09/17/2018
Time Report Requested: 14:38:05

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: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 5.0 ug/Plate 2-Aminoanthracene
- 6: 2.0 ug/Plate 4-Nitro-O-Phenylenediamine
- 7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

**** END OF REPORT ****