

Experiment Number: 688328

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 09/13/2018

Time Report Requested: 01:57:24

NTP Study Number:

688328

Study Result:

Negative

Experiment Number: 688328

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 09/13/2018

Time Report Requested: 01:57:24

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	197 ± 13.9	135 ± 20.7	279 ± 21.0	144 ± 3.5	255 ± 30.2
100.0	187 ± 4.6	111 ± 13.1	272 ± 19.5	135 ± 3.8	265 ± 8.7
333.0	177 ± 9.9	109 ± 6.9	300 ± 15.0	141 ± 8.4	267 ± 6.7
1000.0	168 ± 10.2	98 ± 9.5	244 ± 9.7	116 ± 6.8	246 ± 14.5
3333.0	164 ± 2.9	98 ± 7.0	267 ± 6.4	129 ± 5.2	213 ± 4.5
10000.0	166 ± 8.3	93 ± 10.5	267 ± 14.0	118 ± 10.5	190 ± 9.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1509 ± 48.0	808 ± 59.0	2292 ± 47.1
Positive Control ³	985 ± 74.1	650 ± 34.8			

Experiment Number: 688328

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 09/13/2018

Time Report Requested: 01:57:24

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	130 ± 3.6
100.0	144 ± 5.5
333.0	135 ± 4.9
1000.0	111 ± 6.9
3333.0	119 ± 5.1
10000.0	102 ± 3.3
Trial Summary	Negative
Positive Control ²	2474 ± 27.6
Positive Control ³	

Experiment Number: 688328

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 09/13/2018

Time Report Requested: 01:57:24

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 1.2	6 ± 1.0	8 ± 1.3	10 ± 1.2	9 ± 0.9
10.0		7 ± 0.7		7 ± 0.7	
33.0		6 ± 1.2		5 ± 0.0	
100.0	3 ± 0.3	3 ± 0.9	7 ± 0.6	12 ± 1.7	8 ± 0.9
333.0	4 ± 0.6	3 ± 1.5	2 ± 0.0	6 ± 2.3	3 ± 0.6
1000.0	Toxic	0 ± 0.0	Toxic	2 ± 0.3	Toxic
3333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			290 ± 23.7	36 ± 7.5	229 ± 7.2
Positive Control ³	961 ± 154.4	153 ± 18.9			

Experiment Number: 688328

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 09/13/2018

Time Report Requested: 01:57:24

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.9
10.0	11 ± 0.7
33.0	11 ± 0.3
100.0	8 ± 0.7
333.0	2 ± 0.6
1000.0	0 ± 0.0
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	81 ± 4.2
Positive Control ³	

Experiment Number: 688328

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 09/13/2018

Time Report Requested: 01:57:24

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.5	4 ± 1.2	6 ± 0.7	7 ± 0.7	6 ± 0.3
10.0		6 ± 1.2		11 ± 0.3	
33.0		3 ± 0.9		12 ± 1.5	
100.0	3 ± 0.6	2 ± 0.3	5 ± 0.0	11 ± 2.7	3 ± 0.3
333.0	3 ± 0.6	3 ± 0.9	2 ± 0.6	4 ± 1.2	2 ± 0.3
1000.0	Toxic	Toxic	Toxic	3 ± 1.5	Toxic
3333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			148 ± 11.9	40 ± 5.8	131 ± 14.6
Positive Control ⁴	176 ± 25.7	43 ± 2.3			

Experiment Number: 688328

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 09/13/2018

Time Report Requested: 01:57:24

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.8
10.0	9 ± 0.7
33.0	9 ± 1.0
100.0	6 ± 1.7
333.0	2 ± 0.0
1000.0	Toxic
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	87 ± 4.6
Positive Control ⁴	

Experiment Number: 688328

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 09/13/2018

Time Report Requested: 01:57:24

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 1.9	19 ± 1.8	36 ± 5.8	23 ± 1.8	28 ± 5.1
100.0	24 ± 0.9	15 ± 2.6	32 ± 4.8	23 ± 2.7	27 ± 1.5
333.0	25 ± 1.0	15 ± 3.0	35 ± 1.5	25 ± 4.3	35 ± 2.3
1000.0	17 ± 2.3	12 ± 1.2	37 ± 1.8	20 ± 2.2	37 ± 3.7
3333.0	14 ± 0.7	14 ± 1.2	36 ± 4.0	22 ± 0.3	33 ± 2.8
10000.0	16 ± 3.5	10 ± 2.2	30 ± 2.8	20 ± 1.5	35 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			827 ± 37.6	466 ± 47.6	1882 ± 152.6
Positive Control ⁵	311 ± 13.8	309 ± 16.2			

Experiment Number: 688328
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 09/13/2018
Time Report Requested: 01:57:24

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 2.6
100.0	21 ± 1.2
333.0	24 ± 3.8
1000.0	26 ± 4.5
3333.0	19 ± 4.4
10000.0	11 ± 1.9
Trial Summary	Negative
Positive Control ²	1729 ± 65.6
Positive Control ⁵	

Experiment Number: 688328

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

G06: Ames Summary Data

Test Compound: **Penicillin VK**

CAS Number: **132-98-9**

Date Report Requested: **09/13/2018**

Time Report Requested: **01:57:24**

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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****