Experiment Number: **A10901**

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

G06: Ames Summary Data

Test Compound: **Senna (powdered)**

CAS Number: **8013-11-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:35:34**

NTP Study Number: A10901

Study Result: Negative

Experiment Number: **A10901**

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

G06: Ames Summary Data

Test Compound: **Senna (powdered)**

CAS Number: **8013-11-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:35:34**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	83 ± 3.2	99 ± 6.3	60 ± 0.3	63 ± 3.5
10.0	61 ± 1.8	80 ± 6.5	58 ± 0.9	61 ± 2.9
25.0	65 ± 7.8	82 ± 2.3	56 ± 3.5	73 ± 5.2
50.0	61 ± 7.0	71 ± 3.3	62 ± 4.2	77 ± 4.4
100.0	46 ± 2.1	80 ± 4.0	48 ± 3.4	64 ± 3.5
250.0	56 ± 4.9	104 ± 4.7	36 ± 4.9	65 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control[2]	556 ± 20.9	274 ± 28.2		
Positive Control[3]			936 ± 167.2	498 ± 26.6

Experiment Number: **A10901**

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

G06: Ames Summary Data

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Date Report Requested: **09/15/2018**

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]	25 ± 1.8	26 ± 4.0	32 ± 1.9	42 ± 5.7	34 ± 3.7
10.0	22 ± 2.2	28 ± 4.1	29 ± 1.2	28 ± 4.4	37 ± 5.5
25.0	25 ± 2.3	24 ± 3.0	23 ± 3.5	22 ± 2.0	26 ± 8.0
50.0	26 ± 0.6	40 ± 5.1	24 ± 1.2	34 ± 1.2	42 ± 1.3
100.0	20 ± 1.5	23 ± 4.9	18 ± 1.5	28 ± 3.7	35 ± 7.3
250.0	18 ± 0.9	28 ± 4.0	17 ± 2.2	22 ± 2.0	29 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]			1102 ± 30.7	544 ± 35.1	285 ± 6.9
Positive Control[4]	431 ± 19.3	432 ± 26.6			

Experiment Number: **A10901**

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

G06: Ames Summary Data

Test Compound: **Senna (powdered)**

CAS Number: **8013-11-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:35:34**

Strain: TA98

Dose (ug/Plate)	With 30% Rat S9
Vehicle Control[1]	51 ± 3.7
10.0	46 ± 10.0
25.0	62 ± 4.3
50.0	56 ± 8.4
100.0	42 ± 8.3
250.0	39 ± 8.1
Trial Summary	Negative
Positive Control[3]	317 ± 23.4
Positive Control[4]	

Experiment Number: **A10901**

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

G06: Ames Summary Data

Test Compound: **Senna (powdered)**

CAS Number: **8013-11-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:35:34**

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	166 ± 5.4	160 ± 14.8	206 ± 5.1	219 ± 10.1
10.0	202 ± 7.1	202 ± 7.1	330 ± 12.1	235 ± 11.7
25.0	208 ± 49.5	205 ± 9.4	244 ± 16.5	287 ± 13.3
50.0	116 ± 12.0	163 ± 5.1	186 ± 12.3	206 ± 4.9
100.0	107 ± 4.2	176 ± 9.2	153 ± 2.6	219 ± 4.8
250.0	53 ± 1.3	219 ± 22.5	126 ± 10.5	270 ± 21.2
Trial Summary	Negative	Negative	Equivocal	Negative
Positive Control[5]			906 ± 28.7	824 ± 46.7
Positive Control[6]	1734 ± 46.3	1568 ± 66.3		

LEGEND

Values given as Mean or Mean ± 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 **