Experiment Number: **450632**

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

G06: Ames Summary Data

Test Compound: **Reserpine**

CAS Number: **50-55-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **03:35:35**

NTP Study Number: 450632

Study Result: Negative

Experiment Number: **450632**

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

G06: Ames Summary Data

Test Compound: **Reserpine**

CAS Number: **50-55-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **03:35:35**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	118 ± 14.1	114 ± 0.6	119 ± 5.2	116 ± 5.8	169 ± 3.3
100.0	124 ± 3.8	111 ± 2.5	164 ± 6.1	125 ± 1.8	163 ± 6.2
333.0	133 ± 7.2	116 ± 6.9	147 ± 5.8	139 ± 6.6	161 ± 4.7
666.0					166 ± 6.8[p]
1000.0	122 ± 7.6[p]	113 ± 6.4[p]	147 ± 2.3[p]	141 ± 5.5[p]	165 ± 17.6[p]
1666.0					163 ± 17.1[p]
3333.0	127 ± 10.1[p]	103 ± 9.5[p]	128 ± 13.9[p]	122 ± 3.3[p]	
10000.0	110 ± 15.9[p]	89 ± 6.0[p]	155 ± 7.5[p]	120 ± 8.1[p]	
Trial Summary	Negative	Negative	Equivocal	Equivocal	Negative
Positive Control[2]			486 ± 10.2	303 ± 16.6	330 ± 7.7
Positive Control[3]	455 ± 47.7	549 ± 26.5			

Experiment Number: **450632**

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

G06: Ames Summary Data

Test Compound: **Reserpine**

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Date Report Requested: **09/11/2018**

Time Report Requested: **03:35:35**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	142 ± 8.1	126 ± 5.2
100.0	117 ± 6.5	118 ± 7.5
333.0	136 ± 4.2	140 ± 5.1
666.0		
1000.0	130 ± 3.0[p]	140 ± 5.3[p]
1666.0		
3333.0	151 ± 7.3[p]	120 ± 17.8[p]
10000.0	122 ± 6.7[p]	122 ± 7.8[p]
Trial Summary	Negative	Negative
Positive Control[2]	1344 ± 103.2	538 ± 42.5
Positive Control[3]		

Experiment Number: **450632**

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

G06: Ames Summary Data

Test Compound: **Reserpine**

CAS Number: **50-55-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **03:35:35**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	32 ± 2.1	20 ± 1.8	17 ± 1.8	9 ± 2.6	10 ± 0.9
100.0	24 ± 1.9	18 ± 2.0	8 ± 1.8	9 ± 1.7	10 ± 1.2
333.0	23 ± 3.4	16 ± 1.5	6 ± 0.0	4 ± 0.7	10 ± 1.9
1000.0	27 ± 3.5[p]	16 ± 1.0[p]	11 ± 1.0[p]	12 ± 2.5[p]	11 ± 2.4[p]
3333.0	23 ± 2.4[p]	13 ± 2.6[p]	10 ± 3.2[p]	10 ± 2.5[p]	10 ± 0.3[p]
10000.0	25 ± 3.8[p]	11 ± 3.5[p]	7 ± 1.3[p]	9 ± 0.7[p]	8 ± 0.9[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]	332 ± 18.8	553 ± 19.8			
Positive Control[4]			158 ± 13.1	239 ± 7.2	448 ± 20.8

Experiment Number: **450632**

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

G06: Ames Summary Data

Test Compound: **Reserpine**

CAS Number: **50-55-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **03:35:35**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	13 ± 0.7
100.0	12 ± 0.3
333.0	11 ± 2.8
1000.0	9 ± 2.4[p]
3333.0	8 ± 0.9[p]
10000.0	8 ± 1.5[p]
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	525 ± 8.8

Experiment Number: **450632**

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

G06: Ames Summary Data

Test Compound: **Reserpine**

CAS Number: **50-55-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **03:35:35**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	135 ± 6.9	152 ± 6.4	177 ± 6.4	166 ± 10.1	174 ± 6.3
100.0	155 ± 5.5	112 ± 10.9	179 ± 6.9	167 ± 7.4	180 ± 16.5
333.0	167 ± 5.0	144 ± 2.7	200 ± 1.2	172 ± 10.7	176 ± 14.3
1000.0	147 ± 4.0[p]	134 ± 12.2[p]	188 ± 15.3[p]	132 ± 12.7[p]	181 ± 8.0[p]
3333.0	126 ± 21.0[p]	98 ± 15.2[p]	182 ± 14.0[p]	150 ± 2.0[p]	160 ± 12.5[p]
10000.0	126 ± 3.8[p]	101 ± 7.8[p]	193 ± 7.5[p]	141 ± 4.5[p]	180 ± 1.5[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			958 ± 38.2	441 ± 11.1	1519 ± 14.7
Positive Control[5]	1229 ± 27.9	998 ± 57.7			

Experiment Number: **450632**

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

G06: Ames Summary Data

Test Compound: **Reserpine**

CAS Number: **50-55-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **03:35:35**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	142 ± 10.4
100.0	129 ± 6.4
333.0	157 ± 7.2
1000.0	151 ± 10.5[p]
3333.0	133 ± 5.0[p]
10000.0	141 ± 15.2[p]
Trial Summary	Negative
Positive Control[4]	1099 ± 12.9
Positive Control[5]	

Experiment Number: **450632**

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

G06: Ames Summary Data

Test Compound: **Reserpine**

CAS Number: **50-55-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **03:35:35**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	25 ± 0.9	16 ± 0.9	39 ± 3.4	35 ± 2.6	35 ± 1.7
100.0	29 ± 2.3	16 ± 2.1	46 ± 1.9	36 ± 0.0	32 ± 6.7
333.0	31 ± 2.2	16 ± 1.8	48 ± 2.5	35 ± 5.5	43 ± 3.4
1000.0	27 ± 0.9[p]	18 ± 1.8[p]	47 ± 1.5[p]	42 ± 3.3[p]	53 ± 0.9[p]
3333.0	22 ± 2.4[p]	17 ± 3.2[p]	47 ± 3.0[p]	37 ± 1.7[p]	45 ± 2.5[p]
10000.0	18 ± 2.3[p]	17 ± 1.8[p]	47 ± 4.9[p]	30 ± 2.3[p]	37 ± 3.2[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			297 ± 21.7	184 ± 10.2	1367 ± 25.7
Positive Control[6]	1437 ± 25.8	1372 ± 46.2			

Experiment Number: **450632**

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

G06: Ames Summary Data

Test Compound: **Reserpine**

CAS Number: **50-55-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **03:35:35**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	32 ± 3.8
100.0	27 ± 2.4
333.0	28 ± 1.7
1000.0	35 ± 5.0[p]
3333.0	19 ± 3.0[p]
10000.0	20 ± 6.9[p]
Trial Summary	Negative
Positive Control[2]	358 ± 30.7
Positive Control[6]	

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 2-Aminoanthracene
3: 1.0 ug/Plate Sodium Azide
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **