Experiment Number: **119893**

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

G06: Ames Summary Data

Test Compound: **Dibromomannitol**

CAS Number: **488-41-5**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:41:01**

NTP Study Number: 119893

Study Result: Positive

Experiment Number: **119893**

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

G06: Ames Summary Data

Test Compound: **Dibromomannitol**

CAS Number: **488-41-5**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:41:01**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	131 ± 6.1	121 ± 9.5	183 ± 1.7	155 ± 11.5	203 ± 1.5
100.0	148 ± 0.9		203 ± 10.7		211 ± 8.5
333.0	172 ± 11.5		202 ± 6.7		222 ± 9.2
667.0		237 ± 13.6		320 ± 17.9	
1000.0	186 ± 2.3	275 ± 10.2	218 ± 32.1	314 ± 27.2	232 ± 22.1
1667.0		286 ± 14.3		329 ± 14.3	
3333.0	259 ± 2.1	374 ± 11.4	316 ± 8.5	391 ± 30.2	301 ± 7.2
6667.0		404 ± 19.0		520 ± 17.5	
10000.0	330 ± 12.8	446 ± 13.7	339 ± 24.2	496 ± 19.1	294 ± 21.3
Trial Summary	Positive	Positive	Weakly Positive	Positive	Weakly Positive
Positive Control[2]			1819 ± 163.6	1892 ± 100.5	2056 ± 135.8
Positive Control[3]	1328 ± 26.4	1533 ± 79.2			

Experiment Number: **119893**

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Test Compound: **Dibromomannitol**

CAS Number: **488-41-5**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:41:01**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	158 ± 4.4
100.0	
333.0	
667.0	373 ± 40.6
1000.0	357 ± 5.0
1667.0	328 ± 14.4
3333.0	454 ± 18.6
6667.0	527 ± 22.1
10000.0	566 ± 27.8
Trial Summary	Positive
Positive Control[2]	2007 ± 105.6
Positive Control[3]	

Experiment Number: **119893**

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

G06: Ames Summary Data

Test Compound: **Dibromomannitol**

CAS Number: **488-41-5**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:41:01**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	8 ± 1.7	19 ± 4.0	17 ± 1.0	19 ± 0.6	20 ± 1.2
33.0		25 ± 2.3		31 ± 5.8	
100.0	51 ± 2.7	27 ± 2.2	45 ± 8.7	34 ± 5.3	52 ± 6.1
333.0	77 ± 5.2	57 ± 4.2	60 ± 3.5	66 ± 3.8	75 ± 4.8
1000.0	116 ± 4.0	63 ± 10.4	70 ± 4.9	80 ± 5.9	77 ± 13.0
3333.0	151 ± 11.3	114 ± 11.0	120 ± 7.5	169 ± 2.4	122 ± 2.2
10000.0	47 ± 22.2		110 ± 10.1		132 ± 7.2
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[4]			480 ± 54.6	269 ± 16.4	564 ± 33.7
Positive Control[3]	1730 ± 35.5	1441 ± 48.3			

Experiment Number: **119893**

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

G06: Ames Summary Data

Test Compound: **Dibromomannitol**

CAS Number: **488-41-5**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:41:01**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	19 ± 2.2
33.0	28 ± 2.3
100.0	32 ± 2.0
333.0	65 ± 2.4
1000.0	75 ± 4.4
3333.0	161 ± 18.2
10000.0	
Trial Summary	Positive
Positive Control[4]	337 ± 44.8
Positive Control[3]	

Experiment Number: **119893**

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

G06: Ames Summary Data

Test Compound: **Dibromomannitol**

CAS Number: **488-41-5**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:41:01**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	5 ± 1.5	6 ± 0.9	16 ± 2.6
100.0	6 ± 0.6	8 ± 0.3	8 ± 0.9
333.0	4 ± 1.2	5 ± 1.5	14 ± 1.5
1000.0	5 ± 1.5	7 ± 1.5	17 ± 1.8
3333.0	7 ± 2.0	6 ± 1.0	6 ± 2.2
10000.0	4 ± 1.5	4 ± 0.9	7 ± 2.3
Trial Summary	Negative	Negative	Negative
Positive Control[4]		339 ± 9.5	140 ± 25.0
Positive Control[5]	884 ± 185.2		

Experiment Number: **119893**

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

G06: Ames Summary Data

Test Compound: **Dibromomannitol**

CAS Number: **488-41-5**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:41:01**

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	20 ± 2.6	19 ± 3.5	19 ± 2.3
100.0	19 ± 3.0	15 ± 1.2	16 ± 0.9
333.0	21 ± 4.4	17 ± 2.2	20 ± 1.2
1000.0	20 ± 0.3	15 ± 2.3	19 ± 2.1
3333.0	21 ± 2.6	14 ± 2.5	17 ± 3.0
10000.0	22 ± 3.8	14 ± 2.8	14 ± 0.9
Trial Summary	Negative	Negative	Negative
Positive Control[2]		1055 ± 157.1	1479 ± 71.3
Positive Control[6]	155 ± 14.2		

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: 3.3 ug/Plate Sodium Azide
4: 2.0 ug/Plate 2-Aminoanthracene
5: 33.0 ug/Plate 9-Aminoacridine
6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **