|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TABLE 3** Mutagenicity (rev/plate) of I-THMs in *Salmonella* TA100a | | | | | | |
|  | **Dose** | **-S9** | |  | **+S9** | |
| **Compound** | **(µmoles/plate)** | **Exp 1** | **Exp 2** |  | **Exp 1** | **Exp 2** |
| Dichloroiodomethane | 0.000 | 82 | 78 |  | 87 | 99 |
| (DCIM) | 0.010 | - | 74 |  | - | - |
|  | 0.025 | - | 70 |  | - | - |
|  | 0.050 | - | 82 |  | - | - |
|  | 0.100 | 80 | 52 |  | 94 | - |
|  | 0.500 | 72 | - |  | 81 | - |
|  | 1.000 | 55 | - |  | - | - |
|  | 2.500 | 65 | - |  | 86 | - |
|  | 5.000 | 12b | - |  | 80 | 77b |
|  | 7.500 | - | - |  | - | 43b |
|  | 10.00 | - | - |  | - | 51b |
|  |  |  |  |  |  |  |
| Dibromoiodomethane | 0.000 | 82 | 78 |  | 87 | 99 |
| (DBIM) | 0.001 | - | 86 |  | - | 97 |
|  | 0.003 | - | 66 |  | - | 97 |
|  | 0.005 | - | 85 |  | - | 87 |
|  | 0.010 | - | 78 |  | 89 | 101 |
|  | 0.020 | 86 | - |  | - | - |
|  | 0.025 | - | 79 |  | - | 86 |
|  | 0.050 | 86 | 73 |  | 110 | 92 |
|  | 0.100 | 17 | - |  | 94 | - |
|  | 0.250 | 23 | - |  | 81 | - |
|  | 0.500 | 8b | - |  | 15b | - |
|  |  |  |  |  |  |  |
| Chlorodiiodomethane | 0.000 | 82 | 78 |  | 87 | 99 |
| (CDIM) | 0.010 | 81 | - |  | 91 | - |
|  | 0.050 | 98 | - |  | 99 | - |
|  | 0.100 | 82 | 82 |  | 95 | 109 |
|  | 0.250 | - | 82 |  | - | 103 |
|  | 0.500 | - | 91 |  | 115 | 101 |
|  | 1.000 | - | 58 |  | - | - |
|  | 2.500 | - | 83 |  | - | - |
|  | 5.000 | - | - |  | 17b | - |
|  |  |  |  |  |  |  |
| Sodium azidec | 3 µg/plate | 1159 | 807 |  | - | - |
| 2-Aminoanthracenec | 0.5 µg/plate | - | - |  | 444 | 503 |

aValues represent counts from single plates except for the zero (0) DMSO controls and positive controls, which represent the average counts from three plates. Cells within the table with dashes represent doses that were not tested.

bThese plates showed a thinning of the background lawn, indicative of cytotoxicity.

cPositive control.