|  |  |  |
| --- | --- | --- |
| Step |  | Dilution |
| 10 g soil (weight/volume) | 95 ml saline (solution A) | 10-1 |
| 1 ml solution A (volume/volume) | 9 ml saline (solution B) | 10-2 |
| 1 ml solution B (volume/volume) | 9 ml saline (solution C) | 10-3 |
| 1 ml solution C (volume/volume) | 9 ml saline (solution D) | 10-4 |
| 1 ml solution D (volume/volume) | 9 ml saline (solution E) | 10-5 |

**Dilution and Plating Calculations**