


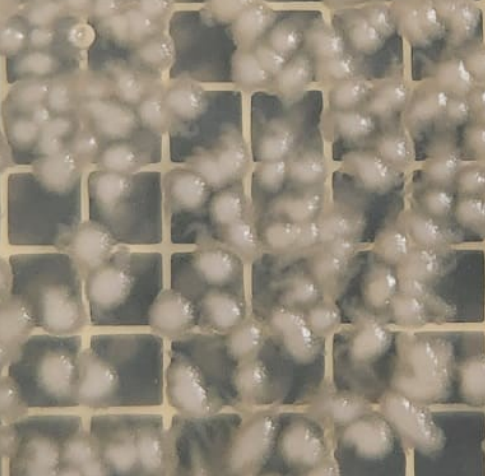
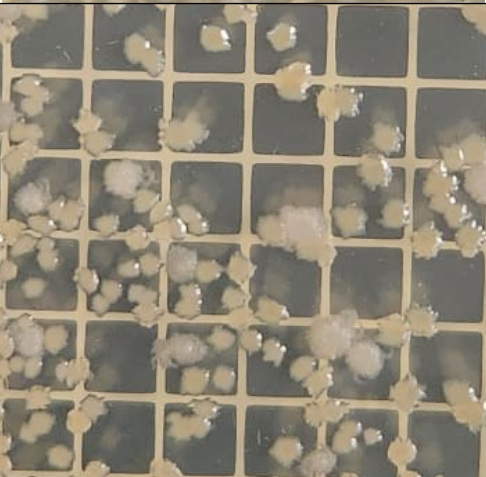
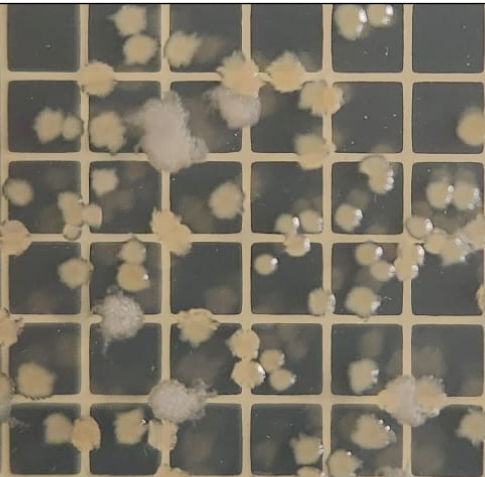
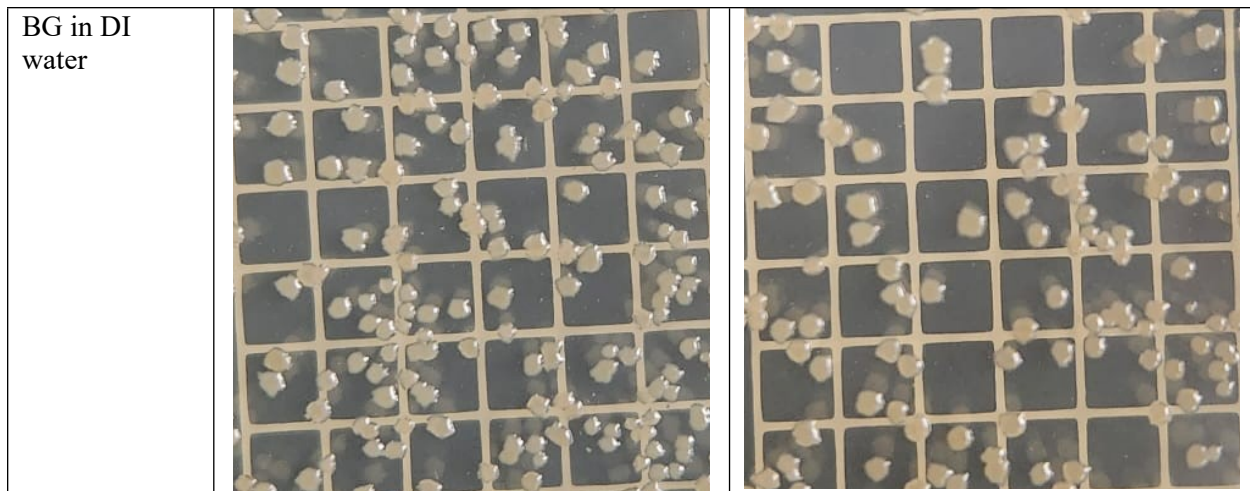


Table A1. Microscopic observations before and after inactivation. Spores were plated at 1×10^4 CFU/mL on nutrient agar. Images were taken 24 hours after incubating. Each square is 3mm x 3mm.

| | Before inactivation with UV light | After inactivation with UV light |
|-----------------|---|--|
| BAS in PBS |  |  |
| BAS in DI water |  |  |
| BG in PBS |  |  |



| | BA in PBS | BA in DI water | BG in PBS | BG in DI water |
|----------------|---|---|---|--|
| Color | White, opaque | White, opaque | Orange or white, opaque | Orange, opaque |
| Size | All relatively large (>1mm) colonies. | All relatively large (>1mm) colonies. | All relatively small (<1mm) colonies aside from some medium (\leq 1mm) colonies. | All relatively small (< 1mm) colonies. |
| Surface | Smooth, glistening, and flat | Smooth, glistening, and flat | Orange colonies: smooth, glistening, and flat White colonies: smooth, dull, and flat | Smooth, glistening, and flat |
| Shape | Irregular form and margins, often comma-shaped, and sometimes circular. | Irregular form and margins, often comma-shaped, and sometimes circular. | Irregular form and margins. | Irregular form and margins. |