

BASICS IN MICROBIOLOGY TECHNIQUES (10 DAYS)

- ❖ Introduction and safety aspects of microbiology lab
- ❖ Instructions and handling of microbiology equipments & tools
- ❖ Process of Sterilization & decontamination.
- ❖ Microbial culture media and its importance
- ❖ Isolation of microorganisms from soil, Air and water
 - Soil – Serial dilution Method
 - Air- Viable plate count method
 - Water – Pour plate method
- ❖ Plating techniques
- ❖ Streaking methods
- ❖ Pure culture preparation- Sub culturing of microbes in solid and liquid media
- ❖ Screening of desired organism
 - Morphological behavior of microbes
 - Staining techniques- Simple, Gram's
 - Identification by Biochemical test.

