

COMPLETE HANDS ON TRAINING

MICROBIOLOGY



- Basic concept of Percentage, Molarity, Normality and Reagent Preparation
- Basic instrument handling
- Sterilization techniques
- Media Preparation
- Microbial Isolation and Pure culture techniques
- Various microbial staining and Visualization (Gram staining, capsule staining, flagella staining, etc)
- Bacterial strains selection using differential media
- Biochemical test for bacterial strain identification
- Bacterial motility test
- Methylene blue reduction test
- CFU determination in various samples
- Determination of Bacterial growth curve
- Coliform test
- Antimicrobial activity determination using well diffusion, disc diffusion methods
- Determination of MIC using 96 well plate method by Resazurin
- Determination of MBC