

COMPLETE HANDS ON TRAINING

CLINICAL MICROBIOLOGY & IMMUNOLOGY

- Basic concept of Percentage, Molarity, Normality and Reagent Preparation
- Basic instrument handling
- Quality control and good documentation practices in clinical laboratory works
- Isolation of pathogenic bacterial strains from biological fluids
- Antibiotic sensitivity test against commonly prescribed antibiotics
- Biofilm assay
- Molecular detection of pathogen in body fluids using nested PCR
- Various microbial staining and Visualization (Gram staining, capsule staining, flagella staining, etc)
- Bacterial strains selection using differential media
- Biochemical test for bacterial strain identification
- Determination of MIC using 96 well plate method by Resazurin
- Determination of MBC
- Blood grouping
- Dot and Sandwich ELISA
- Isolation of Plasma, serum and perform protein characterization
- Giemsa staining
- Double diffusion and Radial diffusion
- Immunoelectrophoresis

