

Introduction about Department:

The Department of Microbiology is located near the main building of Lady Hardinge Medical College. In keeping with its vision of providing world class patients care service along with research and development, the department has come a long way over the last few decades from bench top Microbiology to automation and molecular diagnostics. It plays a pivotal role in Infectious disease diagnosis, Infection prevention and antibiotic stewardship providing support to clinicians as well as patients. The department is actively involved the teaching programmes for MBBS, M.D, BSc Nursing and other paramedic courses along with research activities.

The department has many in house laboratories that focus on diagnostics, teaching and research, namely Bacteriology, Mycology, Mycobacteriology, Serology, Parasitology, Virology, HIV & Molecular.

The State Reference Laboratory for HIV testing at the Department of Microbiology, LHMC was the first laboratory among the SRLs from Delhi to be accredited as per ISO15189: 2012 norms by NABL.

The Mycology and Virology laboratories have been upgraded to Advanced mycology diagnostic and research facility & Viral Research & Diagnostic Laboratory (VRDL) respectively. Both the laboratories are giving service to the patients and played a crucial role during the COVID 19 pandemic.

Automated culture by MIGIT as well as molecular diagnostics using Truenat and CBNAT has been standardized and started in the Mycobacteriology laboratory in addition to a separate Molecular diagnostic facility for viral, bacterial and fungal pathogens.

The Department has also recently procured MALDI-TOF for rapid identification of bacteria & fungi. This technique can identify the organism isolated from sample in less than an hour and therefore helps in reducing turnaround time resulting in early diagnosis and better patient outcomes.

The department is involved in Infection Control & Biomedical waste training program both induction as well as onsite under which doctors, nursing staff & other healthcare workers are trained regularly throughout the year.

The department regularly participates in External Quality Assessment Schemes (EQAS) and has consistently been performing well which helps to maintain the Quality Standards in the respective laboratories.