LABORATORY SUBSPECIALITY SERVICES

Blood Bank

The Blood Bank is responsible for the pre-transfusion testing of patient samples and storing and dispensing all blood and allograft products.

Cellular Immunology

The Cellular Immunology Laboratory performs cell analysis by flow cytometry, including immunophenotyping of single-cell suspensions from blood, bone marrow, lymph nodes and other appropriate body fluids and tissue. Markers are available for lymphocyte, monocyte and granulocyte lineages, plus activation, maturity, and specialty markers. Results are reported with a clinical interpretation from the Department of Pathology.

Clinical Chemistry

The Clinical Chemistry laboratory performs a full range of general, endocrine, medical and forensic toxicology, blood gas, reproductive studies, prenatal biochemical screening and special chemistry procedures.

Reproductive Studies Laboratory (Clinical Chemistry)
The Reproductive Studies Laboratory provides prenatal screening of maternal serum and amniotic fluid for fetal defects, during the second trimester of pregnancy.

Forensic Toxicology Laboratory (Clinical Chemistry)
The Forensic Toxicology Laboratory provides drug testing analysis on serum and urine specimens. The laboratory is able to provide drug testing on forensic, medical and workplace specimens. Results are mailed to the requesting physician as completed.

Cytopathology

The Cytopathology Laboratory examines human cell samples under the microscope for early signs of cancer and other diseases. Cytotechnologists are available to assist the physician (on-site) with the collection of fine needle aspirates.

Dermatopathology

Dermatopathology offers comprehensive primary and tertiary dermatopathology diagnostic testing services in areas such as routine diagnosis, immunofluorescence, electron microscopy and morphometrics. The service is also available to provide regional consultation and second opinions for dermatopathology specimens.
Hematology

The Hematology Laboratory performs studies on blood cells to determine abnormalities in cell number and or function. The laboratory also performs a variety of tests to determine blood clotting abnormalities and to monitor anticoagulation. Laboratory technologists are available to assist the physician with the collection/preparation of bone marrow aspirates performed on-site.

Microbiology

The Microbiology Laboratory provides services in the routine identification and susceptibility testing of bacteria and in the following subspecialties: Molecular Diagnostics, Mycology, Mycobacteriology, Parasitology, and Virology. The Molecular Diagnostics Laboratory provides DNA/RNA based testing (e.g. PCR) for various infectious diseases, genetic abnormalities, cancers, and subspecialty testing.

Serology/Immunology

The Serology/Immunology Laboratory provides diagnostic testing services including diagnostic immunology, infectious disease, oncology (tumor markers), serology, allergy (RAST), and rheumatology.

Surgical Pathology Service

The Surgical Pathology Service evaluates solid tissues to diagnose diseases. Specialty areas include: dermatopathology, hematopathology, neuropathology, breast pathology, soft tissue tumors, oncologic pathology, gastrointestinal pathology, and renal pathology.

Transplant Immunology

The Transplant Immunology Laboratory provides immunological and molecular assays for tissue matching and compatibility testing between organ or stem cell donors and recipients. These assays are important for solid organ and bone marrow transplantation. The TIL provides HLA tissue typing by serology and DNA; crossmatching and antibody screening services for kidney/pancreas, heart, and stem cell transplant candidates; and diagnostic HLA typings for various disease association.