

Labs Save Lives



Did You Know?

Diagnosis and treatment decisions are based on laboratory results

The Thunder Bay Regional Health Sciences Centre (TBRHSC) Laboratory performs 7,300 tests per day

One type of lab test is COVID-19 polymerase chain reaction (PCR). Since March 2020, our lab has performed 60,000 COVID-19 tests

TBRHSC has approximately 170 laboratory staff

Our lab has over 3000 individual document-controlled policies and procedures

TBRHSC Laboratory has 10 major department specializations:

1. Biochemistry (Clinical Chemistry)

Large array of tests involving the measurement of chemical constituents in blood and body fluids to evaluate organ function, toxicology, therapeutic drug monitoring, and to detect chemicals, endocrinology and other special tests

2. Haematology Study of cells e.g. red blood cells, white blood cells and platelets as well as bleeding disorders/coagulation

3. Flow Cytometry The study of bone marrows, lymph node/tissue specimens for lymphoma and leukemia

4. Transfusion Services

The testing for blood types, antibody detection, and compatibility testing (perinatal/neonatal and blood components). Also called Immunohaematology or Blood Banking

5. Microbiology The study of microorganisms, including bacteria, fungi, viruses, and parasites

6. Histology The preparation and study of tissue specimens

7. Cytology The study of 'free' cells, their origin, structure, function, and pathology

8. Point of Care Testing (POCT) Oversight of bedside testing i.e., glucometer, etc.

9. Specimen Procurement & Dispatch Blood collection and reference testing

10. Quality & Safety Licensing, accreditation, Biosecurity Containment Level II (Biosafety) classification, etc.



Thunder Bay Regional
Health Sciences
Centre