**TEST ID: LLTOF**

**LEUKEMIA AND LYMPHOMA PHENOTYPING, TECHNICAL ONLY**

**USEFUL FOR**
- Evaluating lymphocytoses of undetermined etiology
- Identifying B- and T-cell lymphoproliferative disorders involving blood and bone marrow
- Distinguishing acute lymphoblastic leukemia from acute myeloid leukemia
- Immunologic subtyping of acute leukemias
- Distinguishing reactive lymphocytes and lymphoid hyperplasia from malignant lymphoma
- Distinguishing between malignant lymphoma and acute leukemia
- Phenotypic subclassification of B- and T-cell chronic lymphoproliferative disorders, including chronic lymphocytic leukemia, mantle cell lymphoma, and hairy cell leukemia
- Recognizing monoclonal plasma cells

**CLINICAL INFORMATION**

Diagnostic hematopathology has become an increasingly complex subspecialty, particularly with neoplastic disorders of blood and bone marrow. While morphologic assessment of blood smears, bone marrow smears, and tissue sections remains the cornerstone of lymphoma and leukemia diagnosis and classification, immunophenotyping is a very valuable and important complementary tool.

Immunophenotyping hematopoietic specimens can help resolve many differential diagnostic problems posed by the clinical or morphologic features. This test is appropriate for hematopoietic specimens only.

This is a technical only test and does not include interpretation unless reflex testing is performed. At any point, clients may request to have a Mayo Clinic hematopathologist provide an interpretation at an additional charge.

**INTERPRETATION**
- Report will include a summary of the procedure.
- The client will be responsible for the interpretation.
- At any point upon request a case can be switched to add an interpretation and billing performed by a Mayo Clinic hematopathologist.

Note: Cases requiring the KIR panel will have an interpretation added and performed by a Mayo Clinic pathologist.

**MOBILE APPS FROM MAYO MEDICAL LABORATORIES**

- [Lab Catalog for iPad and Lab Reference for iPhone and iPod Touch](#)
  
  Requires iOS 5.1+

**ANALYTIC TIME**

1 days

**REFERENCE VALUES**

Not applicable

**REFLEX TESTS**

Review all reflex tests at: [MayoMedicalLaboratories.com](#)
EXAMPLE REPORT

CLINICAL REFERENCE


mayomedicallaboratories.com  news.mayomedicallaboratories.com  /mayocliniclabs  @mayocliniclabs