

**Immunophenotyping and Flow Cytometry Test Guidelines**

Test ordering for immunophenotyping and flow cytometry is based on the patient's diagnosis and/or disease state.

DIAGNOSIS	RECOMMENDED TESTS
Acute Leukemia (ALL, AML, AMML, CML-BC)	<ul style="list-style-type: none"> <li>• Hematolymphoid Neoplasm Immunophenotyping Profile</li> </ul>
Chronic Lymphocytic Leukemia	<ul style="list-style-type: none"> <li>• Hematolymphoid Neoplasm Immunophenotyping Profile</li> </ul>
Lymphoma / Multiple Myeloma	<ul style="list-style-type: none"> <li>• Hematolymphoid Neoplasm Immunophenotyping Profile</li> </ul>
Lymphoma, Cutaneous T Cell	<ul style="list-style-type: none"> <li>• Lymphoma, Cutaneous T Cell Immunophenotyping Profile</li> </ul>
Immunodeficiency (Transplantation Screen)	<ul style="list-style-type: none"> <li>• Immunodeficiency / Transplant Lymphocyte Immunophenotyping Profile</li> </ul>
Solid Organ Transplant	<ul style="list-style-type: none"> <li>• CD3 Therapeutic Monitoring</li> <li>• WBC and Differential needed to calculate absolute values</li> </ul>
T-Helper / Inducer: T-Suppressor / Cytotoxic Lymphocyte Ratio Monitoring	<ul style="list-style-type: none"> <li>• T-Helper / Inducer: T-Suppressor / Cytotoxic Lymphocyte Ratio</li> <li>• WBC and Differential needed to calculate absolute values</li> </ul>
Paroxysmal Nocturnal Hemoglobinuria	<ul style="list-style-type: none"> <li>• PNH Assay for CD55 and CD59</li> </ul>
Leukocyte Adhesion Deficiency	<ul style="list-style-type: none"> <li>• Leukocyte Adhesion Deficiency includes evaluation of CD11a / CD18</li> </ul>
Hematopoietic Transplant	<ul style="list-style-type: none"> <li>• CD34 Stem Cell Assay, Quantitative</li> </ul>
Hematopoietic Transplant	<ul style="list-style-type: none"> <li>• Donor Derived Lymphocytes</li> </ul>
Various Neoplasms	<ul style="list-style-type: none"> <li>• DNA Ploidy and Cell Cycle Analysis</li> </ul>

Revised 1/08; Last Approved: Daniel McKeon