

Flow Cytometry Test Menu

Test	Test #	Specimen Requirements	Additional Information
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Leukemia & Lymphoma Studies

Leukemia Panels are recommended for acute leukemia cases where blast cells are evident or for clinical evaluation of suspected CLL or lymphoma cases. Hairy Cell Leukemia Panels are for the investigation of Hairy Cell Leukemia.

Leukemia / Lymphoma Panel* (indicate source on the requisition)	662	Peripheral Blood: 1 ACD (Solution A) yellow-top tube and 1 EDTA lavender-top tube at room temperature. Bone Marrow: 1.5 mL of aspirate in an EDTA lavender-top tube or sodium heparin green-top tube at room temperature. Other: Tissue, fluids, or fine needle aspirations in McCoy's media at room temperature. Samples must be received within 18 hours of collection.	Panel includes: CD2, CD3, CD4, CD5, CD7, CD8, CD10, CD13, CD14, CD19, CD20, CD23, CD33, CD34, CD38, CD45, CD56, FMC-7, HLA-DR, Kappa, Lambda, CD5/19 co-expression, CD38/20 co-expression & pathologist's interpretation
Hairy Cell Panel*	663	Peripheral Blood: 1 ACD (Solution A) yellow-top tube and 1 EDTA lavender-top tube at room temperature. Bone Marrow: 1.5 mL of aspirate in an EDTA lavender-top tube or sodium heparin green-top tube at room temperature. Samples must be received within 18 hours of collection.	Panel includes: CD2, CD3, CD4, CD5, CD7, CD8, CD10, CD11c, CD14, CD19, CD20, CD23, CD25, CD38, CD45, CD56, CD103, HLA-DR, FMC-7, Kappa, Lambda, CD5/19 co-expression, CD38/20 co-expression & pathologist's interpretation

Immunodeficiency Studies

The CDC recommends that the abbreviated subset panel (CD4/CD8 Panel – Test 205927) be used only for patients for whom CD4+T-Cell levels are requested as part of a sequential follow-up of complete lymphocyte subset analysis.

CD4/CD8 Panel	205927	1 (100% filled) ACD (Solution A) yellow-top tube and 1 EDTA lavender-top tube at room temperature.	Includes CD3, CD4, CD8 & CD4/8 Ratio; Testing includes WBC and Absolute counts for lymphocyte subsets
Lymphocyte Subset Panel	205925	1 (100% filled) ACD (Solution A) yellow-top tube and 1 EDTA lavender-top tube at room temperature.	Includes CD3, CD4, CD8, CD19, CD56 & CD4/8 Ratio; Testing includes WBC and Absolute counts for lymphocyte subsets
CD3, Total	700474	1 (100% filled) ACD (Solution A) yellow-top tube and 1 EDTA lavender-top tube at room temperature.	Includes WBC, Lymphocyte % and Absolute Lymphocytes
CD4, Absolute & Percent	801133	1 (100% filled) ACD (Solution A) yellow-top tube and 1 EDTA lavender-top tube at room temperature.	Includes WBC, Lymphocyte % and Absolute Lymphocytes
CD4, Absolute	800817	1 (100% filled) ACD (Solution A) yellow-top tube and 1 EDTA lavender-top tube at room temperature.	Includes WBC, Lymphocyte % and Absolute Lymphocytes
Surface Marker, without Interpretation	7199	1 (100% filled) ACD (Solution A) yellow-top tube and 1 EDTA lavender-top tube at room temperature.	Only a percentage will be reported for the marker(s) requested. No interpretation or count will be provided. Indicate up to six surface markers from tests 662/663 on test request form.

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PNH (Paroxysmal Nocturnal Hemoglobinuria)

PNH with FLAER (High Sensitivity)	905009	5.0 mL room temperature whole blood from an EDTA (lavender-top) tube, ACD (Solution A) yellow-top tube, or sodium heparin (green-top) tube (3.0 mL minimum). Specimen must be collected Monday through Thursday before 10:00 AM ONLY.	This high sensitivity and quantitative flow cytometry assay is used in the diagnosis and follow-up monitoring of patients with paroxysmal nocturnal hemoglobinuria (PNH). Markers evaluated are FLAER, CD14, CD16, CD24, CD55, and CD59 with CD33, CD45 and glycophorin A used for gating. Granulocytes, monocytes and erythrocytes (RBCs) are evaluated separately. The assay can detect glycosylphosphatidylinositol (GPI)-deficient cell populations down to a level of 0.01%.
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Additional Surface Markers

Additional surface markers that our Pathologist's may add on (at an additional charge) to a Leukemia/Lymphoma or Hairy Cell Panel based on patient diagnosis.

TdT

MPO

cKL (Cytoplasmic Kappa and Lambda)

CD11b

CD22

CD25, CD11c, CD103

CD41, CD61

CD57

CD64

CD117

CD138

CD235a (Glycophorin A)

cCD3 (Cytoplasmic CD3)

*These tests were developed, and their performance characteristics determined, by Sonora Quest Laboratories. These tests have not been cleared by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary.