

MLabs Flow Cytometry Panels

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| Panel 1: Stem Cell Neoplasm / Acute Leukemia | <p>RECOMMENDED USE:</p> <ol style="list-style-type: none"> 1. Phenotypic profiling of aberrant blast forms as adjunct to client's morphologic evaluation. 2. Surveillance for residual Acute Leukemia during/after treatment. <p>NOT RECOMMENDED FOR THE FOLLOWING:</p> <ol style="list-style-type: none"> 1. Blast quantitation (see WHO guidelines). 2. Exclusion of chronic myeloproliferative or low-grade myelodysplastic disorders. 3. Final classification of stem cell neoplasms (requires Hematopathology consultation, contact MLabs). |
| Panel 2: Mature Lymphoid Leukemia / Non-Hodgkin Lymphoma (without plasma cells) | <p>RECOMMENDED USE:</p> <ol style="list-style-type: none"> 1. Phenotypic profiling of aberrant mature B-cells and T-cells as adjunct to client's morphologic evaluation. 2. Evaluation of large granular lymphocytes (T-cell and NK type: please specify if required). 3. Surveillance for residual neoplasm during/after treatment. <p>NOT RECOMMENDED FOR THE FOLLOWING:</p> <ol style="list-style-type: none"> 1. Detection of Hodgkin's disease. 2. Final classification of non-Hodgkin's lymphomas (requires Hematopathology consultation, contact MLabs). |
| Panel 3: Plasma Cell / Multiple Myeloma | <p>RECOMMENDED USE:</p> <ol style="list-style-type: none"> 1. Phenotypic profiling of plasma cells as adjunct to client's morphologic evaluation. 2. Surveillance for residual plasma cell neoplasm during/after treatment. <p>NOT RECOMMENDED FOR THE FOLLOWING:</p> <ol style="list-style-type: none"> 1. Quantitation of bone marrow involvement by plasma cell neoplasm. 2. Final classification of plasma cell neoplasms (requires Hematopathology consultation, contact MLabs). |
| Panel 4: Comprehensive: (combined panels 1, 2 without plasma cells) | <p>RECOMMENDED USE:</p> <p style="text-align: center;"><i>SEE RECOMMENDATIONS FOR INDIVIDUAL PANELS</i></p> |
| Panel 5: Cutaneous T-cell Lymphoma (T-cell subsets and pan T-cell epitopes only) | <p>RECOMMENDED USE:</p> <ol style="list-style-type: none"> 1. Phenotypic profiling of circulating T-cells in patients with known or suspected Cutaneous T-cell lymphoma. 2. Quantitation and monitoring of aberrant T-cell populations in peripheral blood during/after treatment. <p>NOT RECOMMENDED FOR THE FOLLOWING:</p> <ol style="list-style-type: none"> 1. Phenotypic profiling of other known or suspected T-cell lymphomas. |
| Panel 6: Mastocytosis | <p>RECOMMENDED USE:</p> <ol style="list-style-type: none"> 1. Phenotypic profiling of mast cells in bone marrow as adjunct to client's morphologic evaluation. |
| Panel 7: Rituximab | <p>RECOMMENDED USE:</p> <ol style="list-style-type: none"> 1. Monitoring of CD20 surface expression during therapy with Rituximab. |
| Panel 8: Paroxysmal Nocturnal Hemoglobinuria (PNH) | <p>RECOMMENDED USE:</p> <ol style="list-style-type: none"> 1. Detection and quantitation of "PNH-clone" (glycophosphatidylinositol-linked protein deficiency) when Paroxysmal nocturnal hemoglobinuria (PNH) is suspected. 2. Monitoring therapy for PNH. |
| HOLD: Hold until notified by client | <p>RECOMMENDED USE:</p> <ol style="list-style-type: none"> 1. When medical need for flow cytometry is uncertain and morphologic review will be complete by 12 noon the following day. 2. Please contact the MLabs office at (800) 862-7284 by 12 noon the day after submission to ensure optimal specimen viability for flow cytometry analysis. |