



Flow Cytometry Leukemia/Lymphoma Requisition

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Shipping Address: MSHS Flow Cytometry Laboratory 1425 Madison Avenue Icahn Building Room 856

Specimen Submission Instructions

Collection & Transportation:

- Whole Blood: Heparin, ACD, or K2EDTA tubes. 2-5 mL of whole blood is recommended.
- Bone Marrow: Heparin, ACD, or K2EDTA tubes. 1-5 mL of bone marrow is recommended.
*Minimum volume for whole blood and bone marrow is dependent on cellularity.
- Tissue: Fresh tissue suspended in tissue culture media (e.g., RPMI 1640).
*Tissue size is dependent on leukocyte cellularity.
- Fine needle aspirates and fluid: Fresh samples collected using heparinized syringes or containers.
*Volume is dependent on leukocyte cellularity.

Transport Temperature

Whole blood and bone marrow: Room temperature

Tissue and body fluids: Refrigerate (cold packs)

Samples should be sent to the flow cytometry laboratory immediately upon collection. Samples brought to the laboratory during after-hours or on holidays should be placed in the storage bin located in the samples drop-off refrigerator (a postage sign is displayed on the refrigerator).

Specimen Rejection Criteria

- Sample exceeds the sample stability criteria stated under the test description at receipt.
- Wrong type of collection tube, inappropriate anti-coagulant, and fixatives used.
- Broken tube/Leaking specimen.
- Mismatched or missing labels.
- Improperly stored specimens (frozen).
- Hemolyzed or clotted specimens.
- Transported at greater than 37 degrees Celsius.
- Specimens with viability below 50 percent.