



## Flow Cytometry (650) 724-2250

### Blood

- 4mL Whole Blood
- Lavender-top (EDTA) tube
- Maintain specimen at room temperature
- Peripheral Blood Smear (Requested but not required)

### Bone Marrow

- 4mL Bone Marrow
- Lavender-top (EDTA) tube or Green-top (sodium heparin) tube
- Maintain specimen at room temperature
- Aspirate Slide (Requested but not Required)

### Core Biopsy or Fresh Tissue

- 0.5-1 cm<sup>3</sup> tissue biopsy
- Sterile tube containing RPMI cell media
- Maintain specimen at room temperature

### Fluid (pleural, effusion, ascites etc.)

- 7ml of fluid
- Lavender-top (EDTA) tube or Sterile tube
- Maintain specimen at room temperature

## Chromosome Analysis (650) 725-6396

### Blood

- 4mL Whole Blood
- Green-top (sodium heparin) tube
- Maintain specimen at room temperature
- Blood must have circulating blast when bone marrow is unobtainable

### Bone Marrow

- 1-2 mL Bone Marrow
- Green-top (sodium heparin) tube
- Maintain specimen at room temperature

### Tissue

- 0.5-1 cm<sup>3</sup> tissue biopsy
- Sterile tube containing RPMI cell culture media, Sterile saline acceptable if media unavailable
- Maintain specimen at room temperature

**Ship to:** Stanford's Anatomic Pathology and Clinical Laboratory  
Attn: Specimen Processing  
3375 Hillview Ave  
Palo Alto, CA 94304  
Phone: 1 (877) 717-3733  
If shipping Friday check for Saturday delivery.  
Fax delivery notification to: (650) 724-4758

## Molecular Pathology (650) 723-6574

### Blood

- 4mL Whole Blood
- Lavender-top (EDTA) tubes
- Consult Lab Guide for Specimen Handling :RNA Studies  
– ship on wet ice, DNA Studies ship at room temperature

### Bone Marrow

- 1-2 mL Bone Marrow
- Lavender-top (EDTA) tubes
- Maintain specimen at room temperature

### Tissue

- 0.5-1 cm<sup>3</sup> tissue biopsy
- Frozen Tissue -maintain frozen and send on dry ice
- Fresh Tissue  
- Send sterile tube containing RPMI cell culture media
- Paraffin embedded tissue

### Fluid

- Volume varies, contact laboratory
- Sterile tube
- Maintain specimen at room temperature

## Fluorescence *in situ* hybridization (FISH) (650) 725-6396

### Blood

- 4mL Whole Blood
- Green-top (sodium heparin) tube
- Maintain specimen at room temperature

### Bone Marrow

- 1-2mL Bone Marrow
- Green-top (sodium heparin) tube
- Maintain specimen at room temperature

### Tissue

- Paraffin embedded tissue

Chromosome Analysis and FISH testing can be performed from a single patient sample if volume is adequate.

First sample collected should always be a Green Top (sodium heparin) tube when Chromosome Analysis is requested.

## Shipper's Responsibility

The shipper is required to comply with the rules and guidelines for transport of medical specimens as set forth by the United States government, the government of the country of origin and international regulatory agencies. Failure to follow instructions for packaging and shipping specimens can result in the delay, loss or destruction of your specimens. Stanford University Medical Center Clinical Laboratories will not be held responsible for any liability attributable to the shipper's improper actions or failure to comply with regulations.



Hospital & Clinics • School of Medicine  
Lucile Salter Packard Children's Hospital

Hematologic Malignancy Testing Program  
Stanford Department of Hematopathology

⊗ Stanford's comprehensive evaluation for suspected hematology neoplasia focuses on selective application of diagnostic tests based on your patient's individual findings.

♦ Assessment of morphologic findings is performed by a Stanford hematopathologist

♦ Based on morphology review, Stanford's hematopathologists may recommend additional tests to diagnose your patient. Follow up testing as indicated such as:

- ♦ Flow cytometric immunophenotyping
- ♦ Cytogenetics
- ♦ Molecular Pathology

(See Malignancy Testing Grid)

⊗ Morphologic Evaluation is performed when specimens are submitted for diagnostic flow cytometry or when requested by the ordering physician

NOTE: If additional testing is recommended for your patient, a physician from the Stanford Hematopathology Laboratory will contact you immediately with their recommendations.