

Specimen Requirements

1. Specimen Identification

The requisition must contain the following information:

1. Patient name
2. Patient gender
3. Patient date of birth or age
4. Patient address
5. Ordering physician
6. Type of specimen
7. Date and time specimen obtained
8. Tests requested
9. Specimen identifier and corresponding bar code labels
10. All pertinent patient insurance information
11. All pertinent patient clinical history, indications for study, and/or previous CBC lab results
12. Test(s) required

2. Rejection Criteria for specimen:

1. Specimen submitted in the incorrect tube
2. Specimen received after the stability date
3. Hemolyzed specimen
4. Frozen specimen
5. Insufficient cell count
6. Bacterial over growth
7. unlabeled
8. Submitted with incomplete requisition from
9. Left unfixed or un-refrigerated for an extended period

Room Temperature is between 18°C and 23°C

MORPHOLOGICAL AND SPECIAL STAIN INTERPRETATIONS

Test	Specimen Requirements	Transportation Temperature	Specimen Stability	*TAT
Bone Marrow Core Biopsy	Core biopsy in 1 green-topped fixative tube (10% neutral buffered formalin) – saturate core completely with fixative. Label: CORE, patient name, date, and place bar code	Room temperature	Indefinitely	24 hrs
Bone Marrow Clot Biopsy	Aspirate dispensed directly with spicules in 1 green-topped fixative tube – saturate clot completely with fixative. Label: CLOT, patient name, date, and place bar code on vial.	Room temperature	Indefinitely	24 hrs
Bone Marrow Aspirate/Slide(s)	5 unstained, unfixed aspirate smears with at least one spicule on each and feathered edges.	Room temperature	Indefinitely	24hrs

IMMUNOPHENOTYPING, CYTOGENETICS

Test	Specimen Requirements	Transportation	Specimen	*TAT
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		Temperature	Stability	
Immunophenotyping	1 – 2 mL of marrow in green (NaHep) or lavender (EDTA) top tube.	Room temperature	48 hours	24 hrs
	4 mL of peripheral blood in green (NaHep) or lavender (EDTA) top tube.	Room temperature	24 hours	24 hours
	10mL of fluid in sterile container	Refrigerate Do not freeze	48 hours	24 hours
	1-5 cm ³ marble-sized piece of fresh tumor immersed completely with RPMI medium or sterile saline call the laboratory immediately for pick-up (refrigerate)		48 hours	24 hours
Immune Deficiency Panel	4 mL of peripheral blood in lavender-top (EDTA) tube or 1 green-topped (NaHep)	Refrigerate Do not freeze	24 hours	24 hrs
Chromosome Analysis** (unstimulated blasts)	1-2 mL of bone marrow aspirate green-top (NaHep) tube or 4 mL of peripheral blood (blasts present) in green-top (NaHep) tube.	Refrigerate Do not freeze hrs	48 hours	72 hours
Chromosome Analysis** (stimulated T & B Lymphoproliferative disorders)	1-2 mL of bone marrow aspirate green-top (NaHep) tube or 4 mL of peripheral blood (blasts present) in green-top (NaHep) tube.	Refrigerate Do not freeze hrs	48 hours	6 days
Tumor/Biopsy Chromosome Analysis	1 cm ³ marble-sized piece of fresh tumor immersed completely with RPMI medium (call lab. on day prior to collection)	Refrigerate Do not freeze hrs	48 hours	3 days

** For New York residence, informed consent is required in cases of suspected constitutional abnormalities.

MOLECULAR GENETICS

Test	Specimen Requirements	Transportation Temperature	Specimen Stability	*TAT
T- & B- cell Gene Rearrangement (PCR)	1-2 ml of marrow aspirate, peripheral blood in lavender-topped EDTA tube.	Refrigerate Do not freeze hrs	7 days	7 days
	Or 1 – 2 mL of body fluid in sterile tube/container	Refrigerate Do not freeze hrs	7 days	
	Or 1 cm ³ marble-sized piece of fresh tissue immersed completely in a tube of RPMI medium (call laboratory for medium)	Refrigerate Do not freeze hrs	7 days	
	Or 1 paraffin block	Room temperature	Indefinitely	
	Or 4 -5 Unstained paraffin embedded tissue slide	Room temperature	Indefinitely	
BCL-6 Gene Rearrangement	Same as above	Same as above	Same as above	7 days
BCL-1, BCL2 Gene Rearrangement	Same as above	Same as above	Same as above	7 days
Molecular Gene Rearrangement	Same as above	Same as above	Same as above	7 days

FLUORESCENCE IN SITU HYBRIDIZATION (FISH) PANELS

Test	Specimen Requirements	Transportation Temperature	Specimen Stability	*TAT
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Chronic Lymphocytic Leukemia (CLL) and Lymphoproliferative disorders (LPD)	1- 4 mL of bone marrow in green-topped NaHep tube with Or 2 -5 mL peripheral blood smears green-top NaHep tube with	Refrigerate Do not freeze	72 hours	3 days
Multiple Myeloma (MM)	Same as above	Same as above	72 hours	3 days
Acute Leukemia (AML/ALL) & Myelodysplasia (MDS)	Same as above	Same as above	72 hours	3 days
Chronic Myelogenous Leukemia (CML)	Same as above	Same as above	72 hours	3 days

DRUG SENSITIVITY PANELS

Test	Specimen Requirements	Transportation Temperature	Specimen Stability	*TAT
Clenoliximab or Imuclone (CD4 Antibody)	1-2 mL of peripheral blood collected in EDTA or Green top (NaHep)	Room Temperature	48 hours	24 hours
Ontak (CD25 Antibody)	Same as above	Same as above	Same as above	24 hours
Rituximab & Zevalin (CD20 Antibody)	Same as above	Same as above	Same as above	
Campath (CD52 Antibody)	Same as above	Same as above	Same as above	24 hours
Mylotarg (CD33 Antibody)	Same as above	Same as above	Same as above	24 hours
ZAP-70 Study	Same as above	Same as above	Same as above	24 hours
CLL Drug Resistance Assay	Same as above	Same as above	Same as above	24 hours

HISTOLOGY & IMMUNOHISTOCHEMISTRY

Test	Specimen Requirements	Transportation Temperature	Specimen Stability	*TAT
Histology (General H&E Stains)	Tissue biopsy in 1 fixative container (10% neutral buffered formalin) –saturate tissue completely with fixative. Label tissue container with patient name, date, and place bar code Or Paraffin-embedded tissue Or 5 unstained tissue slides	Room temperature	Indefinitely	24 hours
Breast Cancer Panel I (ER, PR, HER-2/Neu, Ki-67, P53)	Paraffin-embedded tissue Or 10 unstained tissue slides. Label: Tissue, patient name, date, and place bar code	Room temperature	Indefinitely	24 hours
Tumor Panels	Same as above	Same as above	Same as above	24 hours

Flow Cytometry

Test	Specimen Requirements	Transportation Temperature	Specimen Stability	*TAT
Immunophenotyping Leukemia /Lymphoma	1 green (NaHep) or lavender (EDTA) top tube with 1-2 mL of marrow. 1 green (NaHep) or lavender (EDTA)top tube with 5	Room Temperature	72 hours	24 hours

	mL of peripheral blood 10mL of fluid in a green top tube (refrigerate) 1 cm ³ marble-sized piece of fresh tumor immersed completely with RPMI medium or sterile saline call the laboratory immediately for pick-up (refrigerate)			
Immune Deficiency Panel	1 lavender-top (EDTA) tube or 1 green-topped (NaHep) with 5 ml of peripheral blood	Room Temperature	48 hours	24 hours
Clenoliximab or Imuclone (CD4 Antibody)	Peripheral blood collected in EDTA or (NaHep)	Room Temperature	72 hours	24 hours
Ontak (CD25 Antibody)	Same as above	Room Temperature	72 hours	24 hours
Rituximab & Zevalin (CD20 Antibody)	Same as above	Room Temperature	72 hours	24 hours
Campath (CD52 Antibody)	Same as above	Room Temperature	72 hours	24 hours
Mylotarg (CD33 Antibody)	Same as above	Room Temperature	72 hours	24 hours
ZAP-70 Study	Same as above	Room Temperature	72 hours	24 hours
CLL Drug Resistance Assay	Same as above	Room Temperature	72 hours	24 hours

** When the laboratory cannot report patient test results within its established turn around time (TAT), the pathologist determines the need to notify the appropriate individual(s) of the delayed testing, based on the urgency of the patient test(s) request. Client service personnel will verbally or electronically notify clients of delayed results.*