

SPECIMEN REQUIREMENTS

MORPHOLOGY					
Bone Marrow Core	1-2cm in length	10% Neutral Buffered Formalin (NBF)	Room Temperature	Indefinitely	<ul style="list-style-type: none"> Saturate core completely with fixative. Ensure vial is tightly capped to prevent formalin fume contamination of smears.
Bone Marrow Clot		10% Neutral Buffered Formalin (NBF)	Room Temperature	Indefinitely	<ul style="list-style-type: none"> Saturate core completely with fixative. Ensure vial is tightly capped to prevent formalin fume contamination of smears.
Bone Marrow Aspirate Slides	Five (5) unstained, unfixed aspirate smears	Plastic Slide Holder	Room Temperature	Indefinitely	<ul style="list-style-type: none"> Ensure at least one spicule on each slide and feathered edges.* Allow slides to air-dry completely before placing in plastic slide holder.
HISTOLOGY (GENERAL H&E STAINS)					
Fresh Tissue	Primarily tumor tissue	10% Neutral Buffered Formalin (NBF)	Room Temperature	Indefinitely	<ul style="list-style-type: none"> Saturate tissue completely with fixative. Label with patient name, DOB, and collection date.
FFPE Tissue		FFPE Cassette	Room Temperature	Indefinitely	Include cold pack in extreme heat.
Unstained Slides	Five (5) unstained, formalin-fixed slides	Plastic slide holder	Room Temperature	Indefinitely	Include cold pack in extreme heat.
HISTOLOGY (IHC AND SPECIAL STAINS)					
Fresh Tissue	Primarily tumor tissue	10% Neutral Buffered Formalin (NBF)	Room Temperature	Indefinitely	<ul style="list-style-type: none"> Saturate tissue completely with fixative. Label with patient name, DOB, and collection date.
FFPE Tissue		FFPE Cassette	Room Temperature	Indefinitely	Include cold pack in extreme heat.
Unstained Slides	Two (2) unstained, formalin-fixed slides	Plastic slide holder	Room Temperature	Indefinitely	Include cold pack in extreme heat.
HISTOLOGY - BREAST PANEL					
FFPE Tissue	Block	FFPE Cassette	Room Temperature	Indefinitely	<ul style="list-style-type: none"> Include fixation time and cold ischemic time on requisition. Include cold pack in extreme heat.
Unstained Slides	Ten (10) unstained, formalin-fixed slides	Plastic slide holder	Room Temperature	Indefinitely	Include cold pack in extreme heat.
HISTOLOGY - LYMPHOMA, MYELOMA, AND NEUROENDOCRINE PANELS					
FFPE Tissue	Block	FFPE Cassette	Room Temperature	Indefinitely	Include cold pack in extreme heat.

Unstained Slides	Ten (10) unstained, formalin-fixed slides	Plastic slide holder	Room Temperature	Indefinitely	Include cold pack in extreme heat.
FLOW CYTOMETRY					
Bone Marrow Aspirate	1-2ml	Green top (sodium heparin) tube preferred, OR purple top (EDTA) tube	Room Temperature	48 Hours	Hemolyzed, frozen or clotted samples may be rejected.
Peripheral Blood	2-5ml	Green top (sodium heparin) tube preferred, OR purple top (EDTA) tube	Room Temperature	48 Hours	
Fresh Tissue	1cm3 marble-sized piece of tissue	RPMI or sterile saline	Refrigerated	24 hour	<ul style="list-style-type: none"> Immerse tissue completely in chosen solution. Label with patient name, DOB, and collection date. DO NOT use RPMI past expiration date. Ship on cold pack.
Fluid	10ml	RPMI	Refrigerated	24 Hours	<ul style="list-style-type: none"> Label with patient name, DOB, and collection date. DO NOT use RPMI past expiration date. Ship on cold pack.
FLOW CYTOMETRY - PHN					
Peripheral Blood	2-3ml	Green top (sodium heparin) tube preferred, OR purple top (EDTA) tube	Room Temperature	48 Hours	
FISH					
Bone Marrow & Peripheral Blood	1~2ml	Green top (Sodium Heparin) tube OR Lavender top (EDTA) tube, Smears or Cytospin	Room Temperature	120 Hours	DO NOT FREEZE
Formalin Fixed Paraffin Embedded Tissue (FFPET)	Block	FFPE Cassette	Room Temperature	Indefinitely	Include cold pack in extreme heat.
	Unstained, formalin-fixed slides. One (1) slide per FISH probe and one (1) additional for Pathological evaluation.	Plastic slide holder	Room Temperature	Indefinitely	Include cold pack in extreme heat.
HER2 (ERBB2) BY FISH					
Formalin Fixed Paraffin Embedded Tissue (FFPET)	Block	FFPE Cassette	Room Temperature Include cold pack in extreme heat.	Indefinitely	Specimens subject to HER2 (ERBB2) testing should be fixed in 10% neutral buffered formalin for at least six hours and up to 72 hours. The volume of formalin should be at least 10 times the volume of the specimen. Decalcification solutions with strong acids should not be used. Specimens should be immersed in fixative within one hour of the biopsy or resection. Include cold ischemic time and fixation time on requisition.

	Unstained, formalin-fixed slides. Two (2) slides for FISH testing and one (1) additional for pathological evaluation.	Plastic slide holder	Room Temperature Include cold pack in extreme heat.	Indefinitely	Include cold pack in extreme heat.
KARYOTYPE					
Bone Marrow (peripheral blood will be accepted in certain disease as CLL or if circulating blood containing more than 10% blasts)	Bone Marrow is ≥ 1.5 mL and the Peripheral blood is ≥ 2 mL if 10% or more blasts are present	Green top (Sodium Heparin)	Room Temperature	72 Hours	No Frozen, Hemolyzed, Washed, in Syringes, in broken container or in different anti-coagulant other than sodium heparin.
UROVYSION					
Voided Urine	Minimum of 33cc of urine	Urine Collection Kit	If Urine is not shipped immediately after collection, refrigerate immediately and ship via overnight courier within 24 hours. The preferred storage and shipping conditions are on ice packs, but specimens may be stored and shipped at temperatures up to 25°C	Must be processed within 48 hours of collection.	Follow Urine Collection Kit Instructions