

# SPECIMEN SUBMISSION INSTRUCTIONS



- This document serves as a general reference guide for specimen requirements. Test-specific requirements may differ.
- If set pick-up and delivery times have not been established, contact Client Services to schedule a pickup.
- Clin-Path Diagnostics makes every attempt to perform the requested testing. If testing cannot be performed, the client will be contacted.
- **ALL SPECIMEN TYPES:** Must be submitted with an accompanying requisition, labeled with **two** forms of patient identification (Name/DOB) and placed in a **biohazard** bag.

Contact **Client Services** for additional questions or clarification. **Hours of Operation: Monday – Friday, 7:00 AM – 5:00 PM Phone: 480-478-8000 Fax: 480-478-8091**

Specimen Type	Routine Histology/Cytology	Morphology	Flow Immunophenotyping	Cytogenetics/FISH/NGS	Storage & Transportation
Peripheral Blood		<b>Lavender</b> top tube: 3-5 mL OR 2 peripheral blood smears and <b>include copy of most recent CBC results</b>	<b>Lavender</b> or <b>Green</b> top tube: 3-7 mL <b>Include copy of most recent CBC results.</b>  <b>Samples in formalin or Cytolyt will be rejected.</b>	FISH/Cytogenetics: Submit separate <b>Green</b> top tube: 2-3 mL  NGS: <b>Lavender</b> top tube: 3-5 mL	All <b>FRESH SPECIMENS</b> to include peripheral blood, bone marrow aspirate, body fluids and CSF should be stored at refrigerated temperatures and transported with a cold pack ensuring the cold pack is not in direct contact with the specimen.
Bone Marrow Biopsy: Core, Clot, Aspirate tubes and smears	Place 1-2 cm bone marrow core and clot in 10% formaldehyde (place formalin cup in bag and seal)	5-10 bone marrow smears OR <b>Lavender</b> top tube containing bone marrow aspirate	<b>Lavender</b> or <b>Green</b> top tube: 2-3 mL <b>Include copy of most recent CBC results.</b> <b>OR</b> Dry tap: Immerse 1-2 cm core in approx. 10mL of <b>RPMI</b>  <b>Samples in formalin or Cytolyt will be rejected.</b>	FISH/Cytogenetics: Separate <b>Green</b> top tube: 2-3 mL <b>OR</b> Dry tap, Immerse 1-2 cm core in approx. 10mL of <b>RPMI</b>  NGS: <b>Lavender</b> top tube: 3-5 mL	
Fine Needle Aspirate	Submit residual (or entire) specimen in 10% formaldehyde (preferred) or CytoLyt®  Prepared slides (air dried and/or fixed with spray or alcohol immersion)		Immerse sample in approximately 10 mL of <b>RPMI</b> – sample cannot contain any type of fixative such as CytoLyt®	Immerse sample in approximately 10 mL of <b>RPMI</b> – sample cannot contain any type of fixative such as CytoLyt®	
Tissue Biopsy	10% Formalin; Immerse sample in approximately 10x volume of the specimen  <b>If skin</b> for direct immunofluorescence, submit in Michel's Medium (preferred) or Zeus Fixative.  <b>If breast tissue</b> is submitted, immersion in formalin <b>MUST</b> be within 1 hour from time of biopsy. Fixation time is 6-72 hrs.  <b>If cytology is ordered</b> , send fresh, in 10% formaldehyde (preferred), or in CytoLyt®.		Immerse sample in approximately 10 mL of <b>RPMI</b> – sample cannot contain any type of fixative such as CytoLyt® or formalin	Immerse sample in approximately 10 mL of <b>RPMI</b> – sample cannot contain any type of fixative such as CytoLyt® or formalin	
Body Fluids & CSF	Submit in sterile container within 24 hours of collection		Submit in sterile container within 24 hours of collection to optimize viability	Submit in sterile container within 24 hours of collection to optimize viability	
Formalin-Fixed Paraffin-Embedded Block (FFPE)	FFPE Block can be submitted for routine histology or immunohistochemistry			FFPE Block can be submitted for Solid Tumor NGS	
Cut Slides from FFPE Block for Immunohistochemistry	Precut charged slides in 4 micron sections; minimum 2 slides per antibody (TOMO Charged Slides are preferred).				

**Lavender** top tube = EDTA

**Green** top tube = Sodium heparin  
Sodium heparin is required; **Lithium heparin is unacceptable.**

**RPMI** = Pink color culture media

**Caution:** Do not use RPMI when it turns cloudy, yellow or is at or beyond the expiration date; use only pink/orange color RPMI. McCoy's Medium can also be substituted for RPMI.