

**Penn Medicine**

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Founders 7.009 • 662-2857 or Call:
CP Resident Pager 215-306-0286 (5 PM – 8 AM, Monday-Thursday)
HP Fellow Pager 215-306-0286 (5 PM Friday – 8 AM Monday)

Affix Patient Label

Patient Name (Last, First)

MRN #

Bone Marrow Sample Submission Form
Deliver samples to Central Receiving and Processing (7th Floor Founders)Date Collected (**required by law**)

____/____/____

Time of Collection (**required by law**)

____:____ AM / PM

Name of Collector (**required by law**)

Location

Contact Phone Number

Name of Requesting Physician

Suspected diagnosis or clinical question (**required**)ICD 10 code (**required**)**Sample Type**☐ Bone marrow aspirate in Sodium Heparin (glass green top)☐ Bone marrow aspirate in EDTA (lavender top)

Number of EDTA tubes _____

☐ Bone marrow core biopsy (Zinc Formalin)☐ Other: _____**Relevant History****Bone Marrow Workup**

(Evaluation by a Hematopathologist with reflex testing in Immunohistochemistry, Flow Cytometry, Molecular Pathology, CPD, and Cytogenetics)

Surgical Pathology (core biopsy in zinc formalin)

215-662-6526

☐ Microscopic evaluation ☐ Immunohistochemistry, please specify:☐ Other, please specify:**Flow Cytometry** (EDTA aspirate)

215-662-6023

☐ Leukemia/Lymphoma evaluation☐ Other, please specify:**Molecular Pathology** (EDTA aspirate)

215-662-6121

☐ Acute Leukemia translocation panel (ALRP)☐ *FLT3* mutation analysis (ITD and D835)☐ IGH rearrangement☐ TCR gamma (TRG) rearrangement☐ Chimerism analysis- post-transplant evaluation☐ *PML-RARA* RT-PCR (Qualitative)☐ *BCR-ABL1* RT-PCR (Qualitative)☐ *BCR-ABL1* RT-PCR (p190 Quantitative)☐ *BCR-ABL1* RT-PCR (p210 Quantitative)☐ Other, please specify:**Center for Personalized Diagnostics** (EDTA aspirate)

215-573-0675

☐ Hematologic Malignancies Panel (68 genes)
CEBPA will be analyzed only when a diagnosis of AML is provided☐ Lymphoma Panel (40 genes)

NOTE: see PennMedicine.org/CPD for full mutation lists

Cytogenetics (Sodium Heparin aspirate)

215-898-8066

☐ Conventional Karyotype☐ FISH – Probe(s): _____☐ Other, please specify: _____

NOTE: Sodium Heparin aspirate must be in a glass tube

BONE MARROW ANALYSIS CHECKLIST

Refer to <https://www.testmenu.com/HUP> for more detailed specimen requirements by test.

Completing the requisition

Use 1 requisition form for each patient (can contain multiple specimens as indicated under *Sample Type*)

Electronically order testing to generate a Cerner label for requisition form and specimen tubes

Legibly fill out requisition form, including all required information

Obtaining the specimen

Match patient label to patient using 2 patient identifiers

Collect specimen in appropriate containers (as indicated below)

Packaging specimen for transport

Place all collected specimens in a plastic bag

Fold requisition form where patient identification is visible

Place folded requisition form in the plastic bag sleeve with patient identification facing outward

Specimen Transport

Deliver all samples to Central Receiving and Processing (7th floor Founders) to be logged-in by the laboratory

Lab	Sample Requirements
Surgical Pathology	<ul style="list-style-type: none">• Core Biopsy- delivered to Hematopathology in fixative• Touch prep slides made from core biopsy prior to fixation• Aspirate in EDTA tube for smear review
Flow Cytometry	<ul style="list-style-type: none">• Optimal sample: Aspirate in EDTA tube• Optimal volume: 2 mL• Minimum required volume: 0.5 mL
Cytogenetics	<ul style="list-style-type: none">• Optimal sample: Aspirate in a <u>glass</u> Sodium-Heparin tube• Acceptable substitute: Bone marrow aspirate in EDTA• Optimal volume: 2 mL• Minimum required volume: 0.5 mL <p>Note: Aspirates in EDTA yield poor growth, and aspirates in Lithium-Heparin will not yield any growth.</p>
Center for Personalized Diagnostics	<ul style="list-style-type: none">• Optimal sample: Aspirate in EDTA tube• Optimal volume: 2 mL• Minimum required volume: 0.5 mL
Molecular Pathology	<ul style="list-style-type: none">• Optimal sample: Aspirate in EDTA tube• Optimal volume: 1.5 mL• Minimum required volume: 0.5 mL