

BONE MARROW/ TISSUE SUBMISSION PROTOCOL



Please notify the Michigan Medicine Laboratories (MLabs) Client Services prior to sending a bone marrow case for Hematopathology Consultation. MLabs Client Services can be reached at **800.862.7284** or **734.936.2598** (local).

MLabs Comprehensive Primary Diagnosis on Referred Specimens includes bone marrow morphology evaluation, Cytogenetics evaluation, and triage for Flow Cytometry and/or Molecular Diagnostics studies.

Preparation Instructions

1. Bone marrow clot and bone marrow core biopsy.
2. Five (5) unstained bone marrow aspirate smears. Please review the Bone Marrow Aspirate Slide Preparation instruction included with the bone marrow kit as preparation of well-made slides is critical to proper evaluation of the specimen.
3. Three (3) unstained peripheral blood smears.
4. Two (2) green top (sodium heparin) tubes containing a minimum of 2 mL of bone marrow aspirate per tube. FISH Oncology Probes, Multiple Myeloma Panel, or Myelodysplastic Syndrome Panel requires an additional green top (sodium heparin) tube.
5. One (1) lavender top (EDTA) tube containing a minimum of 1 mL of bone marrow aspirate.
6. Include a copy of the patient's most recent complete blood cell and platelet count (CBC) (preferred), or an additional lavender top tube (EDTA) containing peripheral blood if a recent CBC is not available.

Specimen Handling

1. Invert each tube gently 8-10 times immediately after collection to prevent clotting.
2. Label tubes "bone marrow" or "peripheral blood" as appropriate.
3. Place completely air-dried, labeled smears (5 bone marrow and 3 peripheral blood smears) into the plastic slide holders and place in the foam slot.
4. Place green top (sodium heparin) and lavender top (EDTA) tubes in foam slots.
5. Place the formalin vials containing the bone marrow clot and core biopsy into the small plastic bag, seal firmly, and place in the foam slot.
6. Seal the outer Ziploc Biohazard bag containing the absorbent sheet around the foam insert and place the refrigerated Cold Pack on top of the sealed bag. Securely close the collection box.

Required Information and Shipping

1. Label all specimens and containers with the patient's name and a 2nd patient identifier such as a date of birth or a medical record number.
2. Complete the **MLabs Hematopathology Consult Requisition** to accompany the specimens.

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3. Please be careful to not contaminate the outside of the transport bags, paperwork or box when handling. Transport at room temperature.
4. If shipping by UPS, place closed box inside Express Pak and seal according to instructions on the Express Pak. Call UPS at 800.742.5877 to schedule pick up. **Specimens should be sent Monday – Thursday (preferred); if sending on Friday is necessary, clearly indicate Saturday delivery required.**

Questions

Call **800.862.7284** or **mlabs.umich.edu**