

Physician Office Bone Marrow Aspirate Collection Procedure

Materials: Bone Marrow Collection Kit

3 EDTA Phlebotomy tubes

2 Glass Slides

1 Sodium Heparin Phlebotomy tube (green top)- if cytogenetics and flow cytometry are requested

1 B- Plus Fixative Container- 1 for the Bone specimen

Crittenton Hospital Medical Center Pathology Report Requisition Form

Clariant Hematopathology Requisition Form (Flow Cytology/Cytogenetics)

Pre-Bone Marrow Aspiration Procedure:

1. Label 3 EDTA tubes, 1 Sodium Heparin tube (if necessary), 1 B Plus Fixative container with the patient's name and date.
2. Label 2 slides, for core biopsy touch imprints, with: patient name, date, Core Bx
3. Fill out all paperwork: Complete all paperwork including pertinent clinical information (e.g. anemia, lymphadenopathy) and clinical diagnoses (e.g. acute leukemia, history of lymphoma).

Bone Marrow Aspiration Procedure:

1. First Syringe: obtain 1-2 mL of bone marrow aspirate and aliquot into each of 2 EDTA tubes. Mix the EDTA tubes, by inversion, 8-10 times.
2. Second Syringe: obtain 1-2 mL of bone marrow aspirate and aliquot into the Sodium Heparin tube. Mix the tubes, by inversion, 8-10 times.
3. Obtain touch imprints of the core biopsy (if possible): move blood away from bone and touch the bone on the two labeled glass slides.
4. Place the bone specimen into a B-Plus Fixative container labeled "Bone"

Post-Bone Marrow Aspiration Procedure:

1. Obtain an EDTA peripheral blood specimen from the patient. Identify the peripheral blood tube by writing the letters "PB" on the tube.
2. Identify the bone marrow EDTA tubes by writing the letters "BM" on the tubes.
3. Identify the Bone B-Plus Fixative specimen by writing "Bone" on the label.
4. Send all tubes, slides, B-Plus Fixative containers and Requisitions to the Crittenton Hospital Medical Center Laboratory.

**** All smears for the Bone Marrow Report will be prepared by the Crittenton Hospital Medical Center Hematology staff ****