Hematopathology Sample Collection
Quick Reference Guide

SPECIMEN REQUIREMENTS (see reverse side for detailed instructions)

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| COMPREHENSIVE CONSULTATION       | Bone marrow or peripheral blood      | 1) 1 Green (Na Heparin) tubes 3-5ml \**
AND 1 Lavender (EDTA) tube 3-5 ml  *
for dry taps, send biopsy touch prep slides
2) unfixed, air-dried slide preparations of bone marrow aspirate
3) 4-8 smears and recent CBC result
4) 1 Core Biopsy >1 cm in length in formalin (10cc vial)

** For cytogenetics, include one additional Green top tube. | Room Temperature |
| Fresh Tissue (lymph node)        | Place tissue in supplied RPMI tissue culture medium | Store medium in refrigerator, ship samples with supplied cold pack |
| Fine Needle Aspirate (FNA)       |                                                                                           |                                        |
| FLOW CYTOMETRY                    | Bone marrow or peripheral blood        | 1 Green (Na Heparin) tube 3-5ml (preferred)
Alternatives: Lavender (EDTA) or Yellow (ACD) | Room Temperature |
| Core Biopsy or Fresh Tissue      | Place tissue in supplied RPMI tissue culture medium | Store medium in refrigerator, ship samples with supplied cold pack |
| Fine Needle Aspirate (FNA)       |                                                                                           |                                        |
| CYTOGENETIC Chromosome and FISH Analysis | Bone marrow or peripheral blood | 1 Green (Na Heparin) tube 3-5ml | Room Temperature |
| Tissue                           | Paraffin embedded tissue (FISH Only)   |                                                                                     |
| MOLECULAR by PCR                  | Bone marrow or peripheral blood        | 1 Lavender (EDTA) tube 3-5 ml Fresh Tissue – RPMI cell media | Room Temperature |
| ARRAY CGH                         | Bone marrow or peripheral blood        | 1 Lavender (EDTA) tube 3-5 ml | Room Temperature |
Collection Instructions:
Comprehensive Hematopathology Consultation

BONE MARROW ASPIRATE IN ANTICOAGULANT TUBES

Container/Tube: One Sodium Heparin (green top) tube and one EDTA (lavender) tube; for cytogenetic testing, include one additional Sodium Heparin (green top) tube
Specimen Volume: 3 - 5 mL in each tube
Collection Instructions:
1. Aspirate per standard bone marrow collection procedure.
2. Do not transfer to other tubes or containers.
3. If bone marrow units are sparse/absent or aspirate is a dry tap, make biopsy touch prep slides.

BONE MARROW ASPIRATE SLIDES

Container/Tube: Transport in plastic slide holders
Preferred: Fresh prep slides made at the time of sample collection
Acceptable: Slides made from anticoagulated sample
Collection Instructions:
1. Prepare slides of bone marrow aspirate immediately after collection or prepare slides from bone marrow aspirate in EDTA within 2 hours of collection.
2. If bone marrow units are sparse/absent or aspirate is a dry tap, make biopsy touch prep slides.
3. Air dry slides.
4. Send slides unfixed/unstained, or stained with Wright-Giemsa.

PERIPHERAL BLOOD SLIDES AND CBC

Container/Tube: Transport in plastic slide holders.
Preferred: Fresh prep fingerstick slide; include CBC values
Acceptable: Slides made from whole blood in EDTA, made within 8 hours of collection
Collection Instructions:
1. Prepare good quality smear of even thickness from fingerstick.
2. Alternately prepare good quality smear from EDTA vial within 8 hours of collection.
3. Stain with Wrights-Giemsa or submit unstained and unfixed slides.

BONE MARROW CORE BIOPSY

Container/Tube: Transport in formalin container
Collection Instructions:
1. Place biopsy core in 10% formalin immediately after collection.
2. Submit in container of 10% formalin.