

**WAKE FOREST UNIVERSITY SCHOOL OF MEDICINE
CYTOGENETIC LABORATORY**

Collection Protocol for Cytogenetic Analysis of **Bone Marrow**

To send samples:

Please notify the cytogenetics laboratory ahead of your plans to send a bone marrow for cytogenetics studies. Samples are accepted daily during week and on Saturdays when prearranged. Any other special arrangements should be made with the lab prior to collection.

1. Draw 0.5cc of provided sodium heparin into the syringe, coat the syringe then squirt out 0.25cc of the sodium heparin thus leaving 0.25cc of sodium heparin in the syringe. Aspirate the first draw of 1-5 mls of bone marrow into the syringe with the preservative-free sodium heparin.
Mix the sample in the syringe to prevent clotting.
2. After obtaining the bone marrow sample transfer the sample into the 5 mls. of transport media which is provided by our laboratory. The media should be thawed to room temperature before adding bone marrow aspirate. Mix well by inverting the tube several times.
3. Label the tube with the patient's name, birthdate and medical record number if available.
4. If a bone marrow is unobtainable, please collect a bone core [also send in the transport media].
5. The bone marrow sample should be sent by our courier or Federal Express to the cytogenetics laboratory **the same day it is drawn (to insure accurate results)**. *Send at room temperature -do not put on ice.* If a sample is drawn on a Friday, you must notify Federal Express that it is for a Saturday delivery! Please notify the laboratory if you plan to send a sample for Saturday.

***Note: All specimens to be mailed must be packaged properly to meet OSHA Bloodborne Pathogen Standards, i.e. a triple containment system that meets federal regulations(42 CFR, Part 72).**

Information

1. On the intake sheet provided, please complete all patient information, physician and/or hospital, reason for referral and billing information., including ICD9 codes.
2. If this patient is on a study protocol [CALGB/COG/SCCC/etc.], please include patient ID# and proper protocol document. Without this information we cannot complete the protocol requirements.
3. If you desire a stat analysis [24 hrs], please contact the laboratory director/supervisor.

The media and heparin can be obtained from the cytogenetics laboratory ahead of time. Keep the media frozen until thawing for use. The heparin we recommend and provide is a preservative-free sodium heparin from A.P.P. (1,000 USP units per ml / 2 ml vials / 25 vials per box - Cat. # 27602).

Send sample to: Dr. Mark Pettenati / Will Stewart
Wake Forest University School of Medicine
Cytogenetics Laboratory
Hanes Building G-9
Medical Center Blvd.
Winston-Salem NC 27157
(336) 716-4321/2553

To Have Our Courier Pick Up The Sample: Call 336-716-4321 by 2 PM.