

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

Collection Protocol for Cytogenetic Analysis on **Peripheral Blood**

To send samples:

It is not necessary but is suggested that you notify the cytogenetics laboratory ahead of your plans to send a peripheral blood 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. Swab the region from which the blood is to be drawn with alcohol pads only. Do not use betadine - this inhibits cell growth.
2. Draw 5 to 7cc of peripheral blood into a green stoppered sodium heparin vacutainer. If this is an infant, 2 to 3 cc of peripheral blood is acceptable. For DNA studies (Fragile X, cystic fibrosis, etc.) draw 5 to 10cc of peripheral blood into a purple stoppered EDTA vacutainer.

Mix the sample in the tube by inverting to distribute heparin and prevent clotting.

3. Label the tube with the patient's name , birthdate and medical record number if available.
4. After obtaining the peripheral blood sample keep the sample at room temperature at all times.
5. The peripheral blood sample should be sent by our courier or Federal Express to the cytogenetics laboratory the same day it is drawn. *Send at room temperature - do not ship 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 the sample on a Friday.

***Note: All specimens sent by mail must be packaged properly to meet OSHA Bloodborne Pathogen Standards, i.e. a triple containment system that meet 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 you desire a stat analysis [48 hrs], please contact the laboratory director/supervisor.
3. Please indicate if DNA or molecular cytogenetic testing (FISH) are to be done in conjunction with cytogenetic analysis.

Send sample to: Mark Pettenati, PhD / Will Stewart, CLSup
Wake Forest University School of Medicine
Medical Genetics/Cytogenetics Laboratory
Hanes Building G-22
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.
If you have any questions or problems, please feel free to call us at any time.