



VANDERBILT
PATHOLOGY
LABORATORY
SERVICES

MOLECULAR GENETICS TESTING SPECIMEN REQUIREMENTS

ALL specimens for Molecular Genetics testing should be clearly labeled with patient's name, sex, date of birth, date of collection, and sample type.

BLOOD and BONE MARROW:

Collect 5-10 ml of whole blood or 1 ml bone marrow in EDTA (purple top) tube.

NOTE: Patients with low WBC counts require increased sample volume. Please Call if you have questions regarding sample volume for a specific patient. Samples should be shipped to Vanderbilt at room temperature.

FETAL CELLS:

Obtain 10 mg of chorionic villi tissue and place in sterile screw cap tube. Fill Tube with culture media (no fetal calf serum) and seal cap with parafilm to prevent leakage. Client should maintain a cultured flask of fetal cells until DNA isolation is confirmed in the Molecular Genetics lab. Alternatively, 2-3 confluent T25 flasks filled with transport media (no fetal calf serum) can be submitted. Samples should be shipped to Vanderbilt at room temperature.

TISSUE SAMPLES:

Fresh Frozen: Tissue should be snap frozen without transport media and shipped using dry ice. Amount of tissue required varies with tissue type and test requested. Please call for specific information.

Paraffin Block: Ship paraffin block at room temperature. Be sure the block is clearly labeled with patient's name and block identification number.

NOTE: Decalcified samples are not acceptable.

SPECIMEN TRANSPORT:

Appropriate collection, storage, and transport is vital to insure the highest quality testing. VPLS provides clients with the transport supplies required to refer samples to Vanderbilt. Molecular Genetics samples are accepted Monday through Saturday. Blood and Bone Marrow samples collected on weekends should be held at 4°C until shipped. VPLS provides clients with pre-addressed FedEx airbills. Our shipping address is:

VPLS
Vanderbilt / 4607 TVC
22nd Avenue South & Pierce Avenue
Nashville, TN 37232

For more information or assistance, please contact VPLS at 1-800-551-5227.