

SAMPLE COLLECTION
-- KEEP AT ROOM TEMPERATURE --

POSTNATAL

PERIPHERAL BLOOD

ADULTS: Draw 2-10 ml of venous blood into a syringe containing 10-20 USP units of preservative-free sodium heparin per ml of blood. Mix gently and replace needle with an unused capped needle. Alternatively, obtain blood in a green-top vacutainer tube with heparin.

INFANTS: Draw 1 - 2 ml of venous blood into a heparinized syringe (10-20 USP units preservative-free sodium heparin per ml of blood) or a small green-top vacutainer tube with heparin.

COMBINED FRAGILE X DNA TEST AND ROUTINE KARYOTYPE: Send 5 ml of venous blood in green-top vacutainer for cytogenetics **AND** 8 ml in EDTA purple-top vacutainer for DNA test.

SCE or BREAKAGE: Provide normal control sample (same sex & age as patient preferred).

MALE INFERTILITY Y PCR: Send 8 ml in EDTA purple-top vacutainer.

BONE MARROW

Draw 1 ml bone marrow into syringe containing 10-20 USP units preservative-free sodium heparin per ml of marrow. Send to lab in syringe or sterile empty (red-top) vacutainer tube.

BONE CORE BIOPSY: Transport in sterile vial with 3-5 ml Tissue Transport Medium* (see below)

SOLID TISSUE

SKIN BIOPSY: Clean skin with 70% alcohol, allow to air dry and rinse well with sterile distilled water. Obtain 2 - 4 mm² sample of skin (approximately 2 mm x 2 mm). Place in sterile vial(s) and completely cover with 1 - 3 ml of transport medium (*see below). Use separate vials if separate sites of biopsy and label accordingly. **DO NOT PUT** specimen in formaldehyde, alcohol or saline.

ABORTUS OR AUTOPSY MATERIAL (SPONTANEOUS ABORTION, FETUS, STILLBORN, PLACENTA, ETC.): Obtain sample under sterile conditions. Prepare skin as for biopsy and collect 0.5-1.0 cm² full thickness sample using sterile instruments. If indicated, clean skin with PhisoHex before alcohol wash. Place tissue in sterile vial(s) with 1 - 3 ml transport medium (*see below). When tissues are identifiable we request skin and chorionic villi. If fetus is macerated; chorionic villi, fascia lata, lung and kidney should be sampled. Use separate vials for separate tissues if known, i.e., fetus, membranes, decidua, etc., and label accordingly. If the amount of aborted material is small and there is no identifiable fetus, send entire specimen. Fetal tissue from saline-induced abortions cannot be used for cytogenetic analysis. **DO NOT PUT** specimen in formaldehyde, alcohol, or saline. **DO NOT SHIP ENTIRE FETUS.** Refrigerate if not shipped immediately.

*TISSUE TRANSPORT MEDIUM: We can supply transport medium if you call us in advance. **Lactated Ringer's solution or viral transport medium** are acceptable alternatives if shipping time will not exceed 24 hr. **DO NOT USE** normal saline, 5% dextrose, or tissue culture medium buffered with bicarbonate.

SOLID TUMOR: Obtain sample under sterile conditions. Refrigerate if not shipped immediately.

URINE

URINE: Obtain 40-100ml voided urine and transport immediately to Cytogenetics laboratory. Transport specimen at room temp or refrigerated. Refrigerate and add Carbowax preservative 2:1 (v:v) if not shipped immediately.

PRENATAL

AMNIOTIC FLUID

Use only Becton-Dickinson syringes or sterile glass syringes. **DO NOT USE Monoject syringes.** Under sterile conditions, obtain 20 ml amniotic fluid for cytogenetic analysis. Transfer amniotic fluid immediately to Corning 16 x 125 mm sterile tissue culture tubes with screw caps (mfg #25200) or to the brown tubes from a Baxter amniocentesis tray kit. It is preferable that a small syringe be used to withdraw the first few ml of fluid, which should either be discarded or used for alpha fetoprotein (AFP) studies. Provide instructions as to whether we should forward a portion of the fluid for AFP or other studies.

CHORIONIC VILLI

Please schedule procedure on Monday, Tuesday or Wednesday. Sample **MUST** be placed in fresh chorionic villi (CVS) medium made by us. **CONTACT US** to arrange to get our CVS medium before the day of the procedure.

CALL CYTOGENETICS BEFORE SHIPPING (206) 598-4488
(INSTRUCTIONS ON REVERSE)
-- KEEP AT ROOM TEMPERATURE --
TUBE(S) MUST BE LABELED AND BAGGED
ATTACH COMPLETED REQUEST FORM (SEE REVERSE) TO OUTSIDE OF BAG