

Genetic Specimen Requirements

Please call for pick-up, notice of shipment, and notice of Saturday or holiday delivery.

CHROMOSOME ANALYSIS & FISH			
	SAMPLE SIZE	SPECIAL INSTRUCTIONS	TURN-AROUND TIME
<i>PERIPHERAL BLOOD</i> Routine, Fragile-X, Extended Banding, or Hematologic Disorders	3-5 mL (Adults) 1-3 mL (Pediatric/Newborn)	Collect in Sodium Heparin vacutainer. Refrigerate. DO NOT FREEZE.	7-14 days (STAT Prelim 3 days)
<i>BONE MARROW</i> Hematologic Disorders	1-2 mL Aspirate	Collect in Sodium Heparin vacutainer. Transfer to MGC Transport Tubes if available. Refrigerate. DO NOT FREEZE.	3-5 days
<i>FRESH TISSUES</i> Biopsies Products of Conception: - Skin (Full Thickness Biopsy), Lung, Muscle - D&C Material, Placental Tissue	Minimum 2x2x2 mm Minimum 4-6 mm ² Minimum 4 mm ²	DO NOT TREAT WITH HISTOLOGICAL PRESERVATIVES. Place specimen in MGC Transport Tubes or collect in sterile container with balanced salt solution, Ringer's, or isotonic saline. Refrigerate. DO NOT FREEZE.	14-30 days
FLOW CYTOMETRY			
	SAMPLE SIZE	SPECIAL INSTRUCTIONS	TURN-AROUND TIME
<i>BONE MARROW ASPIRATE</i>	2-3 mL	Collect in Sodium Heparin vacutainer. Refrigerate. DO NOT FREEZE.	24-48 hours
<i>PERIPHERAL BLOOD</i>	5-10 mL	Collect in Sodium Heparin vacutainer. Refrigerate. DO NOT FREEZE.	24-48 hours
<i>FRESH TISSUE BIOPSIES</i>	Minimum of 2 mm ³	DO NOT TREAT WITH HISTOLOGICAL PRESERVATIVES. Place specimen in MGC Transport Tubes or collect in sterile container with balanced salt solution, Ringer's or isotonic saline. Refrigerate. DO NOT FREEZE.	24-48 hours
<i>FINE NEEDLE ASPIRATE (FNA)</i>	10 pieces preferred (minimum of 2) (2 mm ²)	Place specimen in MGC Transport Tubes or collect in sterile container with balanced salt solution, Ringer's, or isotonic saline. Refrigerate. DO NOT FREEZE.	24-48 hours
MOLECULAR: PCR / CGH Microarray			
	SAMPLE SIZE	SPECIAL INSTRUCTIONS	TURN-AROUND TIME
<i>BONE MARROW</i>	3-5 mL (Adults) 1-3 mL (Pediatric/Newborn)	Collect in Sodium Heparin vacutainer. Refrigerate. DO NOT FREEZE.	Variable, 7-14 days
<i>PERIPHERAL BLOOD</i>	3-5 mL (Adults) 1-3 mL (Pediatric/Newborn)	Collect in EDTA vacutainer. Refrigerate. DO NOT FREEZE.	Variable, 7-14 days

Use a cold pack during transport of fresh tissue biopsy, peripheral blood, bone marrow (core/clot/aspirate), body fluids, and FNAs.

Cold pack should not be placed in direct contact with the specimen during shipping.