

GENETIC SAMPLE REQUIREMENTS

MEDICAL GENETIC CONSULTANTS, INC.

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

SAMPLE SIZE	SPECIAL INSTRUCTIONS	TURN-AROUND TIME
CHROMOSOME ANALYSIS		
AMNIOTIC FLUID For Prenatal Chromosome Studies	20-30 mL Clear yellow fluid	Ship at ambient temperature in securely sealed sterile centrifuge tubes. Kits available.
PERIPHERAL BLOOD For Routine Chromosome Analysis, Fragile-X Chromosome Analysis, Extended Banding, Hematologic Disorders	3-5 mL (Adults) 1-3 mL (Pediatric/Newborn)	Collect in Sodium Heparin vacutainer. Refrigerate. DO NOT FREEZE.
BONE MARROW For Hematologic Disorders	1-2 mL Aspirate	Collect in Sodium Heparin vacutainer. Transfer to MGC Transport Tubes if available. Refrigerate. DO NOT FREEZE.
FRESH TISSUES 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.
FLOW CYTOMETRY		
BONE MARROW ASPIRATE	2-3 mL	Collect in Sodium Heparin vacutainer. Refrigerate. DO NOT FREEZE.
PERIPHERAL BLOOD	5-10 mL	Collect in Sodium Heparin vacutainer. Refrigerate. DO NOT FREEZE.
FRESH TISSUE BIOPSIES		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.
FINE NEEDLE ASPIRATE (FNA)	10 Pieces preferred (Minimum of 2 pieces) (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.
MOLECULAR DNA: PCR / CGH Microarray		
BONE MARROW	3-5 mL (Adults) 1-3 mL (Pediatric/Newborn)	Collect in Sodium Heparin vacutainer. Refrigerate. DO NOT FREEZE.
PERIPHERAL BLOOD	3-5 mL (Adults) 1-3 mL (Pediatric/Newborn)	Collect in EDTA vacutainer. Refrigerate. DO NOT FREEZE.