

Specimen Collection

THE MOLECULAR CYTOGENETICS LAB AT CARDINAL GLENNON

	Procedure	Specimen Requirements	Shipping Condition: All at room temperature except frozen pellet cells. Store at 4°C before shipping	How to Store Overnight	CPT codes	Turn-Around Time
POSTNATAL	Blood Chrom. Analysis	Adult 5-10cc/Newborn & Cord: 1-3cc in sterile sodium heparin tube, mix well	Should not be hemolyzed	In 4°C refrigerator	88262/88230	7-15 days STAT 24-48hrs
	Products of Conception	15mg: 1st choice Villi 2nd choice Internal organ 3rd choice skin	In culture media Not In formaldehyde Transport as soon as possible to the lab	Transport sterilely in culture medium and keep preferably in 37°C incubator or in 4°C refrigerator	88233/88262	15-20 days
PRENATAL	Amniotic Fluid	20cc: in sterile conical centrifuge tube	Discard the 1st 3cc of drawn fluid before collecting remaining fluid	In 4°C refrigerator	88235/88280/ 88267	5-12 days
	Chorionic Villus Sampling	15mg: in sterile culture media	Not on ice	Transport sterilely in culture medium and keep preferably in 37°C incubator or in 4°C refrigerator	88280/88235/ 88267	2-7 days

CANCER	Bone Marrow	3-7 cc: in sterile sodium heparin tube	Not clotted or hemolyzed. If overnight, transfer into transport media and set at 37°C	Transport sterilely in culture medium and keep preferably in 37°C incubator	88264/88237	24-h-10 days
	Oncology Blood	3-7 cc: in sterile sodium heparin tube	Not clotted or hemolyzed. If overnight, transfer into transport media and set at 37°C	Transport sterilely in culture medium and keep preferably in 37°C incubator	88237/88264	24h-10 days
	Solid Tumor	5-10mg in sterile culture media	Not on ice	Transport sterilely in culture medium and keep preferably in 37°C incubator	88264/88239/ 88285	3-10 days
	Lymph Node/Any other cancer fluid	Entire lymph	In culture media	Transport sterilely in culture medium and keep preferably in 37°C incubator	88264/88239/ 88285	3-10 days

MOLECULAR	Fragile-X DNA and Prader-Willi	5-10cc: in sterile EDTA tube	Mixed well. Not clotted	Keep in 4° C refrigerator	83892/83897/ 83891/83896 83898/83894/ 83912	10-25 days
	Fluorescence in-situ hybridization	Adult 5-10cc/Newborn & Cord: 1-3cc in sterile sodium heparin tube and mix well	Should not be hemolyzed	Keep in 4° C refrigerator	88271/88275 (depending on type of analysis)	24-48 hrs

FOLLOW UP	Parental follow up or others blood	See blood above	See blood above	See above	88261/88230	1-3days
CMA	Blood for Chromosomes	5cc in sterile sodium heparin tube	Should not be hemolived	Keep in 4° C refrigerator	88230/88261	14-20 days
	Blood for DNA extraction	5cc in sterile EDTA tube	Should not be hemolied	Keep in 4° C refrigerator	838291	
	Blood for DNA extraction/CMA	5cc in sterile EDTA tube	Should not be hemolied	Keep in 4° C refrigerator	83891/88386	
	Blood for DNA extraction/CMA/FISH	5cc in sterile EDTA tube	Should not be hemolied	Keep in 4° C refrigerator	88291/88386/ 88271/88273	
MISC	Growing Fibroblasts cells	4mg skin biopsy	Sterile culture media	Keep in 37° C incubator	88233	30 days
	Freezing Fibroblast cells				88240	