

PITTSBURGH CLINICAL GENOMICS LABORATORY

SAMPLE REQUIREMENTS

CYP2C19 AND CFTR GENOTYPING, SEQUENCING, MATERNAL CELL CONTAMINATION ASSAYS

Specimen Types	Sample Volume	Collection Instructions
Peripheral Blood	3-5 ml Lower volumes may be acceptable depending on the assay ordered. Please call laboratory.	One purple top (EDTA) tube, store at room temperature

PRENATAL DIAGNOSIS

Specimen Types	Sample Volume	Collection Instructions
Chorionic villi- Direct	15-20 mg	Collect tissue (maternal tissue dissected) in a sterile tube containing culture medium, sterile saline or balanced salt solution. Store at room temperature Backup culture highly recommended.
Chorionic villi - Cultured	Two T-25 Flasks (>2x10 ⁶ cells)	Store at room temperature. *Maternal blood sample should be provided for maternal cell contamination studies.

PRENATALDIAGNOSIS

Specimen Types	Sample Volume	Collection Instructions
Amniotic Fluid- Direct	20 ml	Sterile screw cap tube, Store at room temperature. Backup culture highly recommended.
Amniotic Fluid - Cultured	Two T-25 Flasks (>2x10 ⁶ cells)	Store at room temperature *Maternal blood sample should be provided for maternal cell contamination studies.

GENERAL SPECIMEN INFORMATION:

Label all tubes/flasks with patient name and date of birth, and enclose a fully completed **Clinical Genomics Test Requisition** form. Containers can be wrapped with Parafilm to prevent leakage during transport. Samples should be shipped at room temperature. Delayed shipment of sample or inappropriate temperatures may result in longer processing time or cell growth failure. Please contact PCGL laboratory at 412-641-2949 for further clarification or other questions.