

Collection Containers and Test Names for Genetic Studies Labor and Delivery

Test names in Cerner/PowerChart	Use for:	Collection Notes
Anora (Microarray for POC) SENDOUT to <i>Natera</i>	Early Loss / Fetal Demise <20 wks or Still Birth >20 wks	Place fresh tissue in Natera Kit
Chromosome Constitutional	Live Birth	Peripheral or Cord Blood - Green Top Sodium Heparin (1-2 mL)
Microarray	Live Birth	Peripheral or Cord Blood - Purple Top EDTA (1-2 mL)
FISH Trisomy 13	Live Birth	Peripheral or Cord Blood - Green Top Sodium Heparin (1-2 mL)
FISH Trisomy 18	Live Birth	
FISH Trisomy 21	Live Birth	
FISH X/Y/SRY	Live Birth	



Purple Top (EDTA)



Green Top (Sodium Heparin)



Natera Kit

Collection Process for Genetic Studies - Labor & Delivery Unit

Place Tissue for Genetic and Pathology Studies in Separate Containers

If Pathology Studies needed - Complete Pathology Requisition

If Genetic Studies Needed - order in PowerChart – see page 2

Early Loss / Fetal
Demise <20 wks

Still Birth >20wks

Live Birth

If PLACENTA is identifiable = this is the PREFERRED TISSUE
Collect a cross section of placenta (size of a quarter or less)

Collect newborn
blood or cord
blood

If NO placenta – collect
several representative
pieces and fill media
tube at least half way
with products of
conception

If NO placenta –
collect a dime
size piece of
tissue from
inner thigh

DON'T PUT IN FORMALIN IF GENETIC STUDIES NEEDED

Place tissue in tube with transport media (refrigerate)

Send to LAB

Take ALL Tissue Samples to Pathology or Lab - do not use tube system
See attached for other information and phone numbers for questions

Instructions for Transportation

- **Blood for Genetic Tests**
 - **Blood tubes can remain at Room Temperature**
- Tissues with Pathology requisitions go to Pathology
- Blood tubes with Genetic test requests go to Central Lab and then transported to Esoteric Lab
- **Fresh** Tissue from fetal demise for Microarray studies is sent to Natera (via Referrals Lab)
- **Send Genetic test requests with Genetic Consent Form**
- Send **ONLY** samples that have been divided by the OR (not the entire fetal demise sample)
- **Esoteric Lab:** Open 7am-9pm M-F; 6am-3pm Sat/Sun. Phone: 813-443-8090
- 813-443-8098 Cytogenetics direct line (M-F)
- Fax: 813-443-8095 Cytogenetics

Pricing for Natera

- If the tissue was collected during an Outpatient Stay, then Natera will incur the expense and bill the patient.
 - Patient Cost will vary based on their deductible and Medical Plan
 - If the test is denied by their insurance, patient cost is \$349 if paid within 45 days and \$795 after 45 days
 - Please Refer to Natera's Patient billing for complete information: https://my.natera.com/pricing/genetic_testing
- If the tissue was collected during an Inpatient Stay, then BayCare will incur the expense and bill the patient.
 - BayCare Cost is \$349

Test Explanations

- Chromosome Analysis
 - Detects chromosome numerical changes (aneuploidies, trisomies, etc.), balanced and unbalanced translocations, large (3-10Mb) genetic losses and gains.
- Microarray
 - Detects chromosome numerical changes (aneuploidies, trisomies, etc.), unbalanced translocations, small (400 Kb and above) and large genetic losses and gains.
- FISH
 - Detects specific aneuploidies depending on probe used

All these technologies can help diagnose chromosomal causes for fetal death and help determine recurrence risk of future pregnancy losses