



Prenatal Sample Requirements

Allele Diagnostics
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MICROARRAY	
<u>Sample Type</u>	<u>Quantity Required</u>
Amniotic Fluid	Direct: 15-20 mL whole fluid Culture: 2 x T-25 flasks (70% confluent)
Cord Blood or PUBS	1 mL NaHep and 1 mL EDTA whole blood
CVS	Direct: 5-10 mg in sterile media or saline Culture: 2 x T-25 flasks (70% confluent)
DNA	5 µg extracted in a CLIA-certified lab
Products of Conception or Fetal Demise	Direct: 15-20 mg in sterile media or saline Culture: 2 x T-25 flasks (70% confluent)
KARYOTYPE	
<u>Sample Type</u>	<u>Quantity Required</u>
Amniotic Fluid	15-20 mL whole fluid
Cord Blood or PUBS	1 mL NaHep whole blood
CVS	15-20 mg in sterile media or saline
Products of Conception or Fetal Demise	15-20 mg in sterile media or saline
OTHER TESTING	
<u>Test Type</u>	<u>Quantity Required</u>
AFP with reflex to AChE	2.5 mL whole amniotic fluid
PARENTAL SAMPLES	
<u>Sample Type</u>	<u>Quantity Required</u>
Buccal Swab (array and MCC only)	OCD-100 ORAcollect (2 swabs)
Peripheral Blood	3-5 mL NaHep and 3-5 mL EDTA whole blood

Sample requirements comments:

- **Multiple tests:** Although sample requirements are often not additive, it is better to provide additional sample for multiple tests. Specific requirements depend on the combination of tests desired. Please contact Allele Diagnostics if you need multiple tests and have questions about how much sample is required.
- **POC/fetal demise samples:** Acceptable sample types include fetal tissue biopsy, cord biopsy (near fetal insertion site), or placenta. FFPE is NOT accepted.
- For sample types and tests not listed above, please contact Allele Diagnostics to discuss.

Shipping instructions:

- Prior to sending, label all sample containers with patient name and birthdate. Enclose completed Allele Diagnostics requisition form(s) and previous cytogenetic/molecular reports.
- All specimen containers should be completely filled with the appropriate media, and the containers' caps should be sealed with parafilm for shipping.
- Specimens should be shipped at room temperature in a leak-proof, rigid container with overnight delivery.
- If shipping on Friday, mark Saturday delivery on the shipping label.