NATIONWIDE CHILDREN'S
When your child needs a hospital, everything matters.℠

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Amniotic Fluid (AF) Sample: Common Prenatal Microarray Test Combinations Ordered & Sample Volume Needed for Direct Amniotic Fluid Microarray

Test(s) Ordered with Full Chromosome Analysis	AF Volume Needed for Direct AF Microarray
Chromosome Analysis, Full Study Prenatal Microarray	minimum 30 mL
Chromosome Analysis, Full Study Prenatal Microarray Aneuploidy (AneuVysion) FISH Screen	minimum 35 mL
Chromosome Analysis, Full Study Prenatal Microarray Culture Cells for Addt'l Test (Send-out / In-house Test)	minimum 35 mL
Chromosome Analysis, Full Study Prenatal Microarray Aneuploidy (AneuVysion) FISH Screen Culture Cells for Addt'l Test (Send-out / In-house Test)	minimum 40 mL
Test(s) Ordered With or Without 5-Cell Chromosomes	**AF Volume Needed for Direct AF Microarray**
Prenatal Microarray With or without 5-Cell Chromosomes	minimum 20 mL
Prenatal Microarray With or without 5-Cell Chromosomes Aneuploidy (AneuVysion) FISH Screen	minimum 25 mL
Prenatal Microarray With or without 5-Cell Chromosomes Culture Cells for Addt'l Test (Send-out / In-house Test)	minimum 25 mL
Prenatal Microarray With or without 5-Cell Chromosomes Aneuploidy (AneuVysion) FISH Screen Culture Cells for Addt'l Test (Send-out / In-house Test)	minimum 30 mL

* If volume is insufficient for direct AF microarray *after* AneuVysion aliquot is taken & a send-out flask is setup (if ordered), then all remaining AF will be used for cell culture (No direct AF microarray will be done; cultured cells will be used).
** Lower gestational ages (<17 weeks) or higher gestational ages (>25 weeks) may require higher fluid volume due to low cellularity.
***Infectious studies and AFP come from the AF supernatant and do not affect these volumes.