Medical Genetics
Wake Forest University School of Medicine
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Test: Prenatal Amniotic Fluid Chromosome Analysis

Purpose of Test: To identify chromosome abnormalities detectable by routine cytogenetic analysis. This includes: translocations, deletions, duplications, inversions, and numerical aberrations.

Required Information: Please provide indications (ICD-9) for testing on our referral form with each specimen. Accurate testing and interpretation may otherwise be compromised.

Amniotic Fluid

- Optimum timing for specimen collection is during the 15th-18th weeks of gestation.
- Specimens collected between 13 weeks to 38 weeks of gestation are also accepted but potentially have culturing limitations.
- Draw and discard the first 2 mL of amniotic fluid in a sterile syringe.
- Draw an additional 20-25 mL of amniotic fluid and send this to the laboratory in an appropriate container.
- We **strongly** recommend Allegiance amniocentesis trays distributed by McKesson General Medical [Catalogue #02640711]. When using an Allegiance amniocentesis kit, transfer the amniotic fluid into the provided transport containers (2 orange screw-capped, sterile 15-mL centrifuge tubes).
- Label containers with patient's name.
- Unavoidably, about >1% of specimens are not viable. Bloody specimens are undesirable and may cause a delay in reporting. If the specimen does not grow in culture, you will be notified within 7 days of receipt.

Store and Ship Specimen at Room Temperature:

Reflex Test: AF screening
Adjunct Tests: FISH for prenatal aneuploidy screening (13, 18, 21, X, Y)
No additional specimen is required.
Turn Around Time: 6-10 days

We will telephone you with the final chromosome report prior to sending the report. AFP reports are sent out within a day of final report. If the AFP is elevated, an AchE analysis is performed and the referring physician is notified.

CPT Code Information:

88235	AF/CVS tissue culture
88269	AF *in situ*; 6-12 colonies, 2 karyotypes, GTG
88280	Additional karyotypes, each study
88285	Additional cells counted, each study

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