

HOTLINE: Effective May 17, 2021

0051265

Achondroplasia (*FGFR3*) 2 Mutations, Fetal

AD PCR FE

**Specimen Required:** Collect: **Fetal Specimen:** Two T-25 flasks at 80% confluency of cultured amniocytes. **If the client is unable to culture amniocytes, this can be arranged by contacting ARUP Client Services at (800) 522-2787.** Or amniotic fluid.

**AND Maternal Specimen:** Lavender (EDTA), pink (K<sub>2</sub>EDTA), or yellow (ACD Solution A or B).

Specimen Preparation: **Cultured Amniocytes:** Fill flasks with culture media. Transport two T-25 flasks at 80% confluency of cultured amniocytes. Backup cultures must be retained at the client's institution until testing is complete.

**OR Amniotic Fluid:** Transport 10 mL unspun fluid. (Min: 5 mL)

**AND Maternal Specimen:** Transport 3 mL whole blood. (Min: 1 mL)

Storage/Transport Temperature: **Cultured Amniocytes: CRITICAL ROOM TEMPERATURE.** Must be received within 48 hours of shipment due to liability of cells.

**Amniotic Fluid:** Room temperature.

**Maternal Specimen:** Room temperature.

Remarks: **Maternal specimen is recommended for proper test interpretation. Order Maternal Cell Contamination, Maternal Specimen. This can be arranged by contacting ARUP genetic counselors at (800) 242-2787 ext. 2141. Patient History Form is available on the ARUP Web site or by contacting ARUP Client Services.**

Unacceptable Conditions: **Frozen specimens in glass collection tubes.**

Stability (collection to initiation of testing): **Fetal Specimen:** Ambient: 48 hours; Refrigerated: Unacceptable; Frozen: Unacceptable

**Maternal Specimen:** Ambient: 72 hours; Refrigerated: 1 week; Frozen: **1 month**