

0051368

RhD Gene (*RHD*) Copy Number

RHD

Specimen Required: Collect: **Fetal Genotyping:** Amniotic fluid OR two T-25 flasks at 80 percent 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.

WITH Maternal Cell Contamination Specimen (see Remarks): Lavender (EDTA), pink (K₂EDTA), or yellow (ACD Solution A or B).

Parental Genotyping: Lavender (EDTA), pink (K₂EDTA), or yellow (ACD Solution A or B).

Specimen Preparation: Amniotic Fluid: Transport 10 mL unspun fluid. (Min: 5 mL)

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

Maternal Cell Contamination Specimen: Transport 3 mL whole blood (Min: 1 mL)

Whole Blood (Parental Genotyping): Transport 3 mL whole blood. (Min: 1 mL)

Storage/Transport Temperature: Amniotic fluid: Room temperature.

Cultured Amniocytes: CRITICAL ROOM TEMPERATURE. Must be received within 48 hours of shipment due to liability of cells.

Whole Blood or Maternal Cell Contamination Specimen: Refrigerated.

Remarks: Maternal specimen is recommended for proper test interpretation if contamination of the fetal specimen from the mother is suspected. Order Maternal Cell Contamination. Patient History Form is available on the ARUP website 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

Whole Blood or Maternal Cell Contamination Specimen: Ambient: 72 hours; Refrigerated: 1 week; Frozen: **1 month**