

**TEST CHANGE**

**RhC/c (RHCE) Antigen Genotyping**

3002002, RHC GENO

**Specimen Requirements:**

**Patient Preparation:**

**Collect:**

Lavender (K2EDTA), pink (K2EDTA), or yellow (ACD Solution A or B).

~~Fetal genotyping: Amniotic fluid. OR Cultured amniocytes: Two T-25 flasks at 80 percent confluency. If the client is unable to culture, order test Cytogenetics Grow and Send (ARUP test code 0040182) in addition to this test and ARUP will culture upon receipt (culturing fees will apply). If you have any questions, contact ARUP's Genetics Processing at 800-522-2787 ext. 3301. WITH maternal cell contamination specimen (see Note): Lavender (K2EDTA), pink (K2EDTA), or yellow (ACD solution A or B). Parental genotyping: Lavender (K2EDTA), pink (K2EDTA)~~

**Specimen Preparation:**

Whole blood: Transport 3 mL whole blood. (Min: 1 mL)  
~~Amniotic fluid: Transport 10 mL amniotic fluid in a sterile container. (Min: 5 mL). Cultured amniocytes: Transport two T-25 flasks at 80 percent confluency filled with culture media. Backup cultures must be retained at 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)~~

**Transport Temperature:**

~~Cultured amniocytes: CRITICAL ROOM TEMPERATURE. Must be received within 48 hours of shipment due to lability of cells.~~  
Whole blood or maternal cell contamination specimen: Refrigerated.

**Unacceptable Conditions:**

Plasma or serum. Specimens collected in sodium heparin tubes. Frozen specimens in glass collection tubes.

**Remarks:**

Patient History Form is available on the ARUP website or by contacting ARUP Client Services.

**Stability:**

~~Fetal specimens: Ambient: 48 hours; Refrigerated: Unacceptable; Frozen: Unacceptable~~  
Whole blood or maternal cell contamination specimen: Ambient: 72 hours; Refrigerated: 1 week; Frozen: 1 month

**Methodology:**

Polymerase Chain Reaction (PCR)/Fluorescence Monitoring

**Performed:**

Varies

Reported: 3-10 days

Note: [Maternal specimen is recommended for proper test interpretation if contamination of the fetal specimen from the mother is suspected. Order Maternal Cell Contamination.](#)

CPT Codes: 0001U

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

[Refer to report.](#)

[Counseling and informed consent are recommended for genetic testing. Consent forms are available online.](#) [Refer to report](#)

Reference Interval:

By report