

HOTLINE: Effective September 7, 2021

3001053

Red Blood Cell Antigen Genotyping

RBC GENO

Specimen Required: Collect: **Fetal genotyping: Cultured amniocytes:** Two T-25 flasks at 80 percent **confluency**.
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: Lavender (K₂EDTA), Pink (K₂EDTA), or Yellow (ACD Solution A or B).
OR Genotyping: Lavender (K₂EDTA), Pink (K₂EDTA) OR
Specimen Preparation: **Genotyping:** Transport 3 mL whole blood. (Min: 1 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)
Storage/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.
Remarks: **Maternal specimen is recommended for proper test interpretation if contamination of the fetal specimen from the mother is suspected. Order Maternal Cell Contamination.**
Unacceptable Conditions: Plasma or serum; collection of specimens in sodium heparin tubes. Frozen specimens in glass collection tubes.
Stability (collection to initiation of testing): **Whole blood or maternal cell contamination specimen:** Ambient: 72 hours; Refrigerated: 1 week; Frozen: 1 month
Fetal specimen: Ambient: 48 hours; Refrigerated: Unacceptable; Frozen: Unacceptable