

HOTLINE: Effective February 22, 2022

0051368	RhD Gene (<i>RHD</i>) Copy Number	RHD
Performed:	Varies	
Reported:	2-7 days	
<p>Specimen Required: <u>Collect:</u> Fetal genotyping: Cultured amniocytes: Two T-25 flasks at 80 percent confluency. OR cultured CVS: Two T-25 flasks at 80 percent confluency. If the client is unable to culture amniocytes or CVS, 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). <u>Specimen Preparation:</u> Cultured amniocytes AND cultured CVS: 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) <u>Storage/Transport Temperature:</u> Cultured amniocytes and cultured CVS: CRITICAL ROOM TEMPERATURE. Must be received within 48 hours of shipment due to lability of cells. Whole blood or maternal cell contamination specimen: Refrigerated. <u>Remarks:</u> 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. <u>Unacceptable Conditions:</u> Frozen specimens in glass collection tubes. <u>Stability (collection to initiation of testing):</u> Cultured amniocytes and cultured CVS 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</p>		