

# Prenatal Specimen Requirements

## Requirements for each prenatal specimen:

- Maternal blood (1-4 ml in a purple-top EDTA tube) is required for maternal cell contamination (MCC) studies. The maternal sample should accompany the prenatal specimen or be shipped to arrive prior to or concurrently with the prenatal sample.
- Maternal and Paternal blood is required for prenatal array testing.
- If more than one prenatal test is being ordered on a specimen, one of the following is required: 30 ml of Amniotic fluid, 30 mg of Chorionic villi, 3 T25 flasks of cultured amniocytes or cultured chorionic villi.
- In multiple pregnancies, a separate requisition form is required for each fetus.

Cytogenetic Tests	Test Code	Amniotic Fluid	Chorionic Villi	Cultured Amniocytes/CV	DNA
Chromosome Analysis with reflex to *Prenatal Targeted Array (Maternal & Paternal blood required)	4341, 4342	30 ml	30 mg	3 T25 flasks	3 ug (array only)
*Prenatal Targeted Array only (Maternal & Paternal blood required)	410	20 ml	20 mg	2 T25 flasks	3 ug
Chromosome Analysis only	4341, 4342	20 ml	20 mg	2 T25 flasks	N/A
FISH for Aneuploidy (must be ordered in conjunction with chromosome analysis and/or array)	433	10 ml	10 mg	1 T25 flask	N/A
FISH Analysis, DiGeorge Syndrome (requirements only relevant if not also performing chromosome analysis)	336	10 ml	10 mg	1 T25 flask	N/A
Known Mutation	902	20 ml	20 mg	2 T25 flasks	3 ug
POC Chromosome Analysis	4344	Tissue collected in sterile tissue culture transport medium or sterile normal saline or Ringer's solution. Formalin fixed samples are not accepted.			
POC Whole-Genome Array (Maternal & Paternal blood required)	460				
Molecular Genetic Tests					
Noonan Syndrome Panel	357	20 ml	20 mg	2 T25 flasks	2 ug
Prenatal Limb Abnormalities Panel	937	20 ml	20 mg	2 T25 flasks	4 ug
Prenatal Skeletal Dysplasia Panel	949	20 ml	20 mg	2 T25 flasks	4 ug
Androgen Insensitivity Syndrome	2201	20 ml	20 mg	2 T25 flasks	3 ug
Anophthalmia/Microphthalmia	428	20 ml	20 mg	2 T25 flasks	6 ug
Campomelic Dysplasia	3383	20 ml	20 mg	2 T25 flasks	3 ug
CHARGE Syndrome	2262	20 ml	20 mg	2 T25 flasks	6 ug
Duane-Radial-Ray Syndrome	408	20 ml	20 mg	2 T25 flasks	6 ug
Ectrodactyly-ED-Clefting/Hay-Wells Syndrome	407	20 ml	20 mg	2 T25 flasks	3 ug
Holoprosencephaly includes del/dup	2373	20 ml	20 mg	2 T25 flasks	3 ug
Holt-Oram Syndrome	2363	20 ml	20 mg	2 T25 flasks	3 ug
Smith-Lemli-Opitz Syndrome	2503	20 ml	20 mg	2 T25 flasks	3 ug
Townes-Brocks Syndrome	2523	20 ml	20 mg	2 T25 flasks	3 ug
XY Female Gonadal Dysgenesis	409	20 ml	20 mg	2 T25 flasks	3 ug
X-Linked Hydrocephalus/MASA/CRASH Syndrome	2553, 2553E	20 ml	20 mg	2 T25 flasks	6 ug
Zygosity	437	20 ml	20 mg	2 T25 flasks	3 ug

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