

Requirements for each prenatal specimen:

- Specimen requirements vary depending on the test ordered. Please see the specific specimen requirements listed below.
- **If more than one prenatal test is being ordered on a specimen, 3 T25 flasks of cultured amniocytes or cultured chorionic villi, 30 mL amniotic fluid or 30 mg chorionic villi are requested.**
- Maternal blood (1-4 ml in a lavender-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.
- Paternal blood is requested for prenatal array testing.
- Please complete all pages of the Prenatal Sample Submission (Requisition) Form, including the billing options page and informed consent document.
- **If insufficient material is received, particularly for direct amniotic fluid or chorionic villi, cells will need to be cultured. This will increase turn-around-time.**
- Call 301-519-2100 or email prenatal@genedx.com to speak to a genetic counselor in advance.

Requirements below are for one test only	Cultured Amniocytes	Cultured CV	Chorionic villi	Amniotic fluid	DNA
Known Mutation	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15mg)	20 ml	3 ug
Chromosome analysis with reflex to Prenatal array	3 T25 flasks	3 T25 flasks	30 mg villi preferred (minimum 25 mg)	30 ml	3 ug (array only)
Chromosome analysis only	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	Not accepted
Prenatal array only	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	3 ug
FISH for Aneuploidy (must be ordered in conjunction with chromosome analysis and/or array)	1 T25 flask	1 T25 flask	10 mg villi	10 ml	Not accepted
FISH Analysis in 22q11.2 Deletion Syndrome (DiGeorge Syndrome; Velocardiofacial Syndrome) (requirements only relevant if not also performing chromosome analysis)	1 T25 flask	1 T25 flask	10 mg villi	10 ml	Not accepted
AF-AFP (w/reflex to AChE) (requirements only relevant if not also performing chromosome analysis)	Not accepted	Not accepted	Not accepted	2-5 ml of unspun (preferred) or spun fluid, obtained at 15-24 weeks gestation	Not accepted

"full" sequencing tests:

Noonan Syndrome Panel	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	6 ug
Holoprosencephaly includes MLPA	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	3 ug
L1CAM includes MLPA for Female fetus	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	6 ug
L1CAM Male fetus no MLPA	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	6 ug
SALL4 includes concurrent ExonArray	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	6 ug
SALL1	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	3 ug
TBX5	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	3 ug
CDH7	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	6 ug
TP63	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	3 ug
DHCR7	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	3 ug
AR	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	3 ug
SOX9	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	3 ug
SRY	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	3 ug
SOX2, OTX2 and VSX2	2 T25 flasks	2 T25 flasks	20 mg villi preferred (minimum 15 mg)	20 ml	6 ug