

SPECIMEN REQUIREMENTS and TURNAROUND TIMES | PRENATAL/PREGNANCY LOSS TESTING

COLLECTION:

- Refer to the table below for specimen types and associated requirements for each test within our menu.
- Low volume and suboptimal specimens can be submitted; however, results may be delayed or testing may not be possible.
- When ordering multiple or reflex tests on one specimen, collect the amount listed below for each test.
- Collection kits are available for most specimen types and are available through our supply portal

TRANSPORT:

- Testing is most successful when performed on specimens received within 24-hours of collection (does not apply to paraffin tissue).
- Transport specimens at room temperature; special procedures may be required when transporting during extreme temperatures.

OVERNIGHT STORAGE: If immediate transport is not possible, contact the laboratory and store at room temp unless otherwise noted below.

SPECIMEN TYPE	REPORT TAT	chromosome analysis	FISH analysis	microarray analysis	AMOUNT, CONTAINER, and DETAILS
PRENATAL					
amniotic fluid	7 - 10 days	●			15 - 20 ml
	24 - 48 hours		● *		5 ml sterile tube(s)
	7 - 14 days			● ◆	15 ml
chorionic villi sampling (CVS)	7 - 10 days	●			
	2 - 10 days		●		10 - 20 mg tissue culture media
	7 - 14 days			●	
fetal fluid / urine	7 - 10 days	●			15 - 20 ml
	24 - 48 hours		● *		5 ml sterile tube(s)
	7 - 14 days			●	15 ml

Microarray can be ordered concurrently with Prenatal Chromosome Analysis or as a reflex test if chromosome analysis and/or FISH is normal.

* Results are typically available in 24 - 48 hours for Aneuploidy FISH, 22q11.2, and other STAT indications. FISH studies added as a result of abnormal cytogenetic or microarray findings may take 7 - 14 days.

◆ When Prenatal Microarray is ordered with maternal cell contamination analysis, 2 - 5 ml maternal blood in EDTA is also required.

PREGNANCY LOSS					
paraffin embedded tissue [fetal tissue]	5 - 10 days		●		Paraffin block containing formalin-fixed embedded tissue or formalin-fixed paraffin embedded tissue on 2 positively (+) charged (4 - 5 microns thick).
	7 - 14 days			●	Confirmed fetal tissue with pathology report, if available (block or 3 curls, 25 - 30 microns thick)
products of conception (POC)	10 - 14 days	●	●		1 cm ³ fetal tissue and/or villi in tissue culture media or phosphate buffered saline (PBS). - preferred fetal tissue sample sites include buttocks or thigh - if fetal tissue is not available placental villi can be utilized; separate villi from maternal blood and deciduas to reduce the chance for maternal cell contamination
	7 - 14 days			● ◆	- include pathology report, if available - for IUFD or therapeutic abortion cases, amniotic fluid can be accepted - if necessary, store refrigerated (4°C)

◆ When Microarray is ordered on a POC specimen, maternal blood [2 - 5 ml EDTA] is requested (when available) in addition to tissue. When the pregnancy resulted from egg donation send paternal blood (in place of maternal blood). This blood is used during analysis interpretation and is NOT for chromosome analysis (karyotyping).

Although reasonable efforts are made to meet published turnaround times, they are subject to assay performance and other external, uncontrollable factors. Additionally, TATs are based on the initiation date of each test. For tiered-testing, this may not be the date that the specimen was received in our laboratory.