

Specimen Guide

Genetics



Test Requested	Specimen Types Accepted		Maximum Stability	Turnaround Time
	Blood / Serum	Mouthwash		
CARRIER SCREENING				
Avero Exon Carrier Test				
All exon tests			5 days ambient / 10 days refrigerated	14 – 17 days
Avero Carrier Test				
Trio Panel				
Cystic Fibrosis			5 days ambient / 10 days refrigerated	7 – 10 days [†]
Spinal Muscular Atrophy				
Fragile X				
Standard Panel			3 days ambient / 10 days refrigerated	
Global Panel			2 days ambient	10 – 14 days [‡]
Global+ Panel		Additional tube required only for optional Tay-Sachs Hexosaminidase A enzyme analysis.	Same-day pickup required No Saturday draws	
Fetal Sex Option			5 days ambient / do not refrigerate	7 – 10 days
<i>10 weeks' gestation or later. Available with Trio, Standard, Global, and Global+.</i>				
Hemoglobin Evaluation			3 days ambient / 10 days refrigerated	7 – 10 days
Alpha-Thalassemia (DNA analysis)			5 days ambient / 10 days refrigerated	10 – 14 days
Beta-Thalassemia (Full-gene sequencing)			5 days ambient / 10 days refrigerated	14 – 21 days
PRENATAL SCREENING				
Avero Prenatal Screen			5 days ambient / do not refrigerate	7 – 10 days
MATERNAL SERUM SCREENING				
First Trimester Screen				
<i>Requires nuchal translucency ultrasound</i>				
Second Trimester Quad Screen		Allow specimen to clot for 15 – 30 minutes; centrifuging to separate serum is recommended.	5 days ambient / 7 days refrigerated	7 – 10 days
Open Neural Tube Screen (AFP)				

Blood

- 4 mL lavender-top EDTA tube
- 8.5 mL yellow-top ACD tube
- 10 mL black-and-tan-top Streck tube

Serum

- 4 mL serum separator tube (SST)

Mouthwash

- 15 mL mouthwash (see kit instructions)

[†] Mouthwash specimen stability is 5 days ambient / 10 days refrigerated. Receipt of a blood specimen is required to perform hemoglobin evaluation and Hexosaminidase A enzyme analysis for Tay-Sachs disease. DNA analysis for hemoglobinopathies and Tay-Sachs disease will be performed on all specimen types.

[‡] For Fragile X results in females with 55 – 90 CGG repeats, AGG interruption analysis requires an additional two weeks following the initial result.