

Test Name (Test Code)	Specimen(s)	Volume (min.)	Anticoag. / medium Preferred (accepted)	Storage	Stability	Shipping	Special Instructions
PRENATAL							
Chromosome analysis	Amniotic fluid	30mL (20mL)	2 to 3 sterile tubes	4-25°C	48hrs	Ambient	Protect from extreme temperature. Call before sending specimen on Friday. Ship on Saturday for Monday delivery only if sample is protected from extreme temperature. Include gestational age and due date.
	Newborn blood	1mL min	Sodium Heparin (pediatric tube)				
	Whole blood	7mL (5mL)	Sodium Heparin (pediatric tube)				
	Percutaneous umbilical blood	2mL (1mL)	Sodium Heparin				
Solid tissue chromosome analysis	POC, chorionic villus, fetal tissue	Tissue, 1cm skin biopsy	MPLN transport medium or equivalent (i.e. RPMI, Hanks) (2.0-4.0mL)	4-25°C	48hrs	Ambient	Protect from extreme temperature. Call before sending specimen on Friday. Ship on Saturday for Monday delivery only if sample is protected from extreme temperature.
Alphafetoprotein Acetylcholinesterase	Amniotic fluid	2.5mL	Sterile container	RT	24hrs	Ambient	Include gestational age, due date.
				4°C	2 weeks	Ice pack	Do not freeze.
Cystic Fibrosis Prenatal by PCR	Amniotic fluid	20-30mL	Sterile container	RT	48hrs	Ambient	Documentation of maternal and paternal CF mutations.
	Maternal whole blood	5ml (3mL)	EDTA (ACD)	RT	24hrs		
Fluorescence <i>in situ</i> hybridization – Constitutional							
AneuVysion®: 13+/18+/21+/X/Y	Amniotic fluid	5mL	1 sterile tubes	RT	48hrs	Ambient	Protect from extreme temperature. Call before sending specimens on Friday. Ship on Saturday for Monday delivery only if sample is protected from extreme temperature.
	Products of conceptions		MPLN transport medium (i.e. RPMI, Hanks) (2.0-4.0mL)				
TelVysion®: Subtelomere	Whole blood	5mL (3mL)	Sodium heparin	4-25°C	48hrs	Ambient	
	Amniotic fluid	20-30mL	2 to 3 sterile tubes				
	Solid tissue biopsy	5mm ³	MPLN transport medium or equivalent (i.e. RPMI, Hanks) (2.0-4.0mL)				

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Fluorescence <i>in situ</i> hybridization – Constitutional							
Angelman syndrome del 15q11q13 Cri-du-Chat syndrome deletion 5p15.2 DiGeorge/ Velo-Cardio-Facial syndrome Kallmann syndrome del KAL1(Xp22.3) Miller-Dieker syndrome / Lissencephaly Phelan-McDermid syndrome Prader-Willi/Angelman Smith-Magenis syndrome SRY/CEP X del Yp11.3 Steroid Sulfatase deficiency TelVysion: Subtelomeres: trisomy 21 Wolf-Hirschhorn syndrome Williams syndrome	Whole blood	5mL (3mL)	Sodium heparin	4-25°C	72hrs	Ambient	Specimen volume includes chromosome analysis. Protect from extreme temperature. Ship on Saturday for Monday delivery only if sample is protected from extreme temperature.
	Amniotic fluid	20-30mL	2 to 3 sterile tubes				
HUMAN GENETICS							
Cystic fibrosis 32 mutation analysis panel by PCR Cystic fibrosis Intron 8 5T/7T/9T by PCR	Whole blood	5mL (3mL)	EDTA (ACD)	RT	24hrs	Ambient	Separate ice pack from specimen
				4°C	96hrs	Ice pack	
	Buccal cells	Two swabs	MPLN Buccal collection kit	RT	21 days	Ambient	
	Cervical cells	2mL (1mL)	ThinPrep® PAP solution or SurePath™ Test Pack	RT	21 days	Ambient	
Factor II (Prothrombin) Factor V Leiden MTHFR C677T AND A1298C mutation	Whole blood	5mL (3mL) for one or more factor assays	EDTA (ACD)	RT	24hrs	Ambient	If shipment delayed, store at 4°C, and ship with ice pack Do not allow the sample to be in direct contact with the ice pack.
				4°C	4 days	Ice pack	
PHARMACOGENETICS							
Warfarin Sensitivity	Whole blood	1mL	EDTA	4°C	10 days	Ice pack	Separate ice pack from specimen