Molecular In-house testing: **6/12/26**

Common Names	Soft Test Code	Sample Requirements
-**Factor V: Leiden mutation** -FV: Leiden -FVL	FVMUT	***Refrigerate – lavender whole blood tube*** 3mL for adults 0.5mL (1 microtainer) for neonates *only one tube needed for any combination of FVMUT and/or F2MUT Minimum = 0.5mL whole blood ***MTHFR is no longer performed by Molecular – it is a Send Out**
-**Prothrombin mutation** -Factor II mutation -20210	F2MUT	
HIV Quant/Quantitation/ RNA/PCR/Viral Load Min = 1 mL plasma	HIVQT	**Frozen plasma** from lavender tube – 10 mL for adults ***Centrifuge and pour off plasma within 6 hours*** One tube of whole blood should be collected per test ordered ***Only HCVQT can use serum. All other tests REQUIRE plasma***
Hepatitis C Virus (HCV) Quant/Quantitation/ RNA/PCR/Viral Load Min = 1 mL plasma/serum	HCVQT	
CMV Quant/Quantitation/ DNA/PCR/Viral Load CMV = Cytomegalovirus Min = 0.75 mL plasma	CMVQT	
BK Virus (BKV) Quantitation/PCR – *plasma * Min = 0.5 mL plasma	BKPQT	
Epstein-Barr Virus (EBV) Quantitation/PCR – Min = 0.5 mL plasma	EBVQT	
BK Virus (BKV) Quantitation/PCR - *urine*	BKUQT	Yellow capped cobas PCR Media urine kit – urine must be added to vial within 24 hours of collection
Chlamydia trachomatis & Neisseria gonorrhoeae (CT/NG) *Gonorrhea is also called GC*	CTNG	Yellow capped cobas PCR Media urine kit and/or Yellow capped cobas PCR Media swab kit Urine must be added to vial within 24 hours of collection Swab samples can be oral, rectal, cervix, endocervix, vaginal, male urethral ***CANNOT test eye swabs***
Trichomonas vaginalis & Mycoplasma genitalium (TV/MG)	TVMG	^^ same collection info and sources as CTNG. If CTNG and TVMG are needed from the same source, they should be placed on the same order number in Soft. Only ONE cobas tube is needed to test CTNG and TVMG together
Human papillomavirus (HPV) High Risk, includes types 16 and 18	HPVHR HPVPC	ThinPrep vial (used for PapSmears) – cervix, endocervix, vaginal. HPVHR = physician-collect. HPVPC = patient-collect

Molecular Send Out testing – Molecular Lab sends to Quest: **6/12/26**

Non-Oncology Testing:

Common Names	Soft Test Code	Sample Requirements
Hepatitis B Virus (HBV) Quant/ Quantitation/PCR/Viral load	HBVQT	**Frozen plasma** from lavender tube – 10 mL for adults ***Centrifuge and pour off plasma within 6 hours***
Hepatitis B Virus (HBV) Genotype/Geno	HBVG	
HIV Integrase Genotype	HIVIN	
HIV Genotype	HIVG	
Hepatitis C Virus (HCV) Genotype/Geno Min = 1 ml plasma	QHCVG	
HIV Resistance/Proviral DNA/Archive	HIVPR	***Refrigerate – lavender whole blood tube***
Neonatal HIV Qualitative Test **Outpatient:** Soft code PURM **Inpatient:** Miscellaneous Send Out	←	
Karyotype/Chromosome Analysis/Cytogenetics (adult or neonatal – not oncology-related)	KARBL	**Room temp – sodium heparin (green top) whole blood** - **1 mL minimum, 2 mL preferred** - Lithium heparin can be used if sodium heparin is not available
SNP Microarray (blood)	MAPED	

Oncology Testing:

Common Names	Soft Test Code	Sample Requirements
PCR tests can be ordered as: **Outpatient:** Soft code PURM **Inpatient:** Order specific test in PowerChart or Mayo Send Out	←	**Refrigerate** large lavender top whole blood
FISH tests can be ordered as: **Outpatient:** Soft code GRMOL **Inpatient:** Order specific test in PowerChart or Mayo Send Out	←	**Room temperature** large **sodium** heparin (green top) **whole blood** ***cannot be lithium heparin***
JAK2 V617F	JAK2	**Any combination of JAK2, JAK2R, Calreticulin and/or MPL can be collected as ONE large lavender** **Refrigerate** large lavender top
JAK2 exon 12	JAK2R	
Calreticulin	CALR	
MPL Mutation	MPL	
BCR-ABL PCR/Quantitation	BCR19 and BCR21	**Refrigerate** large lavender top
Karyotype/Chromosome Analysis (Oncology-related testing)	KARBL	**Room temp – sodium heparin (green top) whole blood** ***cannot be lithium heparin***