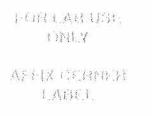
Period       Hospital of the University of Pennsylvania         3400 Spruce Street, Philadelphia, PA 19104         DIVISION OF LABORATORY MEDICINE         Irving Nachamkin, DrPH, MPH         Laboratory Director         Vivianna Van Deerlin, MD, PhD         Molecular Pathology Laboratory Director         Molecular Pathology Laboratory • 7 Gates Bldg • (215) 662-6121         Location       Contact Phone Number				Label Area Indication, clinical information, and relevant prior testing:		
		X Number or email				
FOR FURTHER INFORMATION ON TESTS AND SPECIMEN REQUIREMENTS, PLEASE REFER TO https://www.testmenu.com/UPHS						
	SPECIMEN TYPE (see back of form for details)     Peripheral blood (EDTA)     Tissue: Site(s)     Case #					
MOLECULAR PA	<ul> <li>I cirpiteratiologic (ESTA)</li> <li>Bone marrow aspirate</li> <li>Cord blood</li> <li>Gynecologic specimen (ThinPrep)</li> <li>Nasopharyngeal swab</li> <li>Other (specify):</li></ul>			Fixed: Specify fixative         te         (BAL)         nal blood sample): Spe         STING         R mutation panel):         agnosis (incl. CBAVD)         utation analysis         ion analysis         e repeat expansion         TD         ngle exon         D         ngle exon         ide exon sequencing,	9	
A	INFECTIOUS DISEASE TES	INFECTIOUS DISEASE TESTING OTHER TESTING				
THOL	<ul> <li>Respiratory virus panel (RVP)</li> <li>Viral load, specify: BKV EBV CMV HBV HIV HCV</li> <li>HCV genotyping (includes HCV viral load)</li> <li>HPV high-risk DNA, gynecologic (includes 16/18 genotyping)</li> <li>HPV high-risk DNA, non-gynecologic</li> <li>HPV high and low-risk DNA genotyping</li> </ul>			<ul> <li>Send out for <i>BCR-ABL1</i> p190 quantitative RT-PCR</li> <li>Other, specify:</li> </ul>		
_ 1	FOR LABORATORY USE ONLY					
O G Y	Requesting pathologist: Resident/Fellow performing triage: Non-MP accession number (if applicable <b>Approved tests and comments:</b>	ə):				



## **GENERAL GUIDE TO SPECIMEN TYPES FOR MOLECULAR PATHOLOGY TESTING**

Refer to https://www.testmenu.com/UPHS for more detailed specimen requirements by test.

**Peripheral blood:** EDTA containing blood tubes (pink or lavender) are appropriate for all genetic testing and for DNA and RNA-based oncology testing and identity testing where peripheral blood is the specimen of interest. RNA-based testing requires more volume, thus the pink top tube is the preferred tube as one lavender top tube does not provide sufficient volume. Peripheral blood is also appropriate for all viral load testing (pink top preferred). For post-transplant chimerism analysis unfractionated blood (lavender preferred) will be tested along with specified cellular subsets (requires additional blood tubes for each subset). Lavender and pink top may be used interchangeably provided that sufficient volume is collected.

**Tissue** that is fresh (in Michel's medium) or frozen may be submitted for genetic testing as well as *IGH* and *TRG* rearrangement studies. Tissue fixed in formalin is acceptable for selected oncology testing including *IGH* and *TRG*, *BRAF* and *EGFR* mutation analysis, *MGMT* methylation analysis, and HPV DNA testing and genotyping.

**Bone marrow aspirate** in lavender tubes can be used for DNA and RNA-based oncology molecular testing and identity testing.

Cord blood is appropriate for pre-transplant chimerism analysis.

Buccal swabs are used for recipient pre-transplant chimerism analysis.

Gynecologic specimens in ThinPrep medium are appropriate for HPV DNA testing.

**Fine needle aspirates** are appropriate for oncologic molecular tests including *BRAF* mutation analysis and HPV DNA testing.

**Nasopharyngeal swabs** (using NP flocked swab Lawson# 195443) are appropriate for respiratory virus panel (RVP) testing which includes influenza A/B, RSV A/B, parainfluenza virus 1/2/3, adenovirus, and human metapneumovirus.

Bronchoalveolar lavage (BAL) specimens can be used for RVP testing and CMV viral load.

**Prenatal specimens** (amnio or CVS) may be submitted for maternal contamination studies or other identity testing. A concurrent maternal peripheral blood specimen (lavender tube) is required.

Please call the laboratory if in doubt about the acceptability of any specimen or specimen type. Molecular Pathology Laboratory Main Number: (215) 662-6121.