

CLINICAL VIROLOGY LABORATORY, YALE NEW HAVEN HOSPITAL: TESTS PERFORMED – October 2025

Category	Test	Samples to submit
C. difficile (n=2)		
	Xpert <i>C. difficile</i> Toxin B PCR (Cepheid), reflex to toxin	Stool, semisolid or liquid
	<i>C. difficile</i> bacterial toxin by membrane EIA (C. Diff Quik Chek Complete)	Stool, semisolid or liquid
Molecular virology tests (n=30)		
Commercial kits (n=11)	HIV-1 RT-PCR, Quantitative (Roche 6800)	Plasma
	HCV RT-PCR, Quantitative (Roche 6800)	Serum
	HBV DNA PCR, Quantitative (Roche 6800)	Serum
	CMV DNA PCR, Quantitative (Roche 6800)	Plasma
	EBV DNA PCR, Quantitative (Roche 6800)	Plasma
	BKV DNA PCR, Quantitative (Roche 6800)	Plasma, urine
	SARS CoV-2 RT-PCR (Cepheid)	NP, OP, mid-turbinate
	SARS CoV-2, Influenza A&B, RSV RT PCR 4-plex (Cepheid)	NP, OP, mid-turbinate
	SARS CoV-2, Influenza A&B, RSV RT PCR 4-plex (Panther Fusion)	NP, OP, mid-turbinate
	Influenza A & B, RSV, Parainfluenza types 1-4, Adenovirus/HMPV/Rhinovirus RT-PCR (Panther Fusion)	NP swab
	Norovirus genogroups I and II (Cepheid)	Stool
<i>Note: Verigene Enteric Panel in Microbiology includes 6 bacteria, norovirus and rotavirus</i>		
Lab-developed (n=19)	Enterovirus 2-step RT-PCR (TaqMan)	CSF, serum, throat, stool
	Parechovirus 1-16 1-step RT-PCR (TaqMan)	CSF, serum, throat, stool
	HSV DNA PCR, type common (TaqMan)	CSF, ocular fluid, & other
	HSV-1 and HSV-2 multiplex type-specific PCRs	To type samples positive by screen
	HSV-1 and 2 Direct PCR, swab (TaqMan)	Swab samples only
	VZV DNA PCR (TaqMan)	CSF, ocular fluid, & other
	VZV Direct PCR, swab (TaqMan)	Swab samples only
	CMV DNA PCR, Qualitative (TaqMan)	BAL, saliva, urine, amniotic, ocular, CSF, tissue
	EBV DNA PCR (TaqMan)	CSF, ocular fluid, tissue
	HHV-6 type common PCR, (TaqMan)	CSF, tissue
	HHV-6 type common PCR, Quantitative (TaqMan)	plasma
	Parvovirus B19 PCR (TaqMan)	Serum, bone marrow, amniotic fluid, CSF
	JC virus PCR (TaqMan)	CSF, urine
	Adenovirus DNA PCR (TaqMan)	Stool, urine, tissue
	Adenovirus PCR, Quantitative (TaqMan))	Plasma (lavender tube)
	Influenza A seasonal H1, H1pdm09, and H3 subtype RT-PCRs (TaqMan)	Respiratory samples (Flu A positive)
	Monkeypox PCR panel (Orthopox and Monkeypox West African clade)	Lesion swab
	Coronavirus 229E/OC43/NL63/ HKU1 (Panther Fusion)	NP swab
	Influenza A & B, RSV, Parainfluenza types 1-4, Adenovirus/HMPV/Rhinovirus RT-PCR/HCoV (Panther Fusion)	BAL, sputum, lung tissue [only NP swab is FDA cleared]
Viral serology tests (n=30)		
ARCHITECT	HAV IgM and IgG CLIA (Architect)	Serum
	HBsAg, anti-HBs, anti-HBc IgM and anti-HBc total CLIA (Architect)	Serum
	HCV CLIA (Architect)	Serum
	HIV 1, 2 Ab /Ag 4 th generation combo CLIA (Architect)	Serum
LIAISON	CMV IgM and IgG CLIA (LIAISON XL)	Serum
	EBV VCA IgM and IgG, EBNA by CLIA (LIAISON XL)	Serum
	HSV-1 and HSV-2 IgG CLIA (LIAISON XL)	Serum
	Measles, Mumps, and Rubella IgG CLIA (LIAISON XL)	Serum
	VZV IgG CLIA (LIAISON XL)	Serum
Manual	HIV-1, 2 antibody differentiation by lateral flow (Biorad Geenius)	Serum
	Heterophile (lateral flow)	Serum
	Parvovirus B19 IgM and IgG ELISA (Biotrin, Diasorin manual)	Serum
	West Nile IgM and IgG ELISA (Focus, manual)	CSF, serum
Syphilis serology (n=3)	<i>Treponema pallidum</i> antibody with reflex (LIAISON XL)	Serum
	Rapid plasma reagin (RPR card test, Cardinal)	Serum
	<i>T. pallidum</i> antibody by TP-PA (Serodia, Fujirebio)	Serum
Toxoplasma gondii (n=2)	<i>Toxoplasma gondii</i> IgM and IgG (LIAISON XL)	Serum