

News

Clinical Laboratory Test Update

PCR Testing Source Changes

The University of Colorado Hospital Clinical Laboratory has updated several PCR assays to a new extraction instrument and has narrowed the list of specimen sources that can be tested in-house for these assays.

In addition, the CMV and EBV assays will change units from copies/mL to IU/mL and urines for CMV testing will no longer be given a quantitative result and the result will be qualitative.

All sources (e.g. tissue) outside of defined test sources for the lab will be sent out to a reference laboratory.

Affected Test Orders:	
LAB3249	HSV PCR
LAB3349	VZV PCR
LAB3239	Adenovirus PCR
LAB3248	EBV Quant PCR
LAB3244	CMV PCR
LAB3245	Enterovirus PCR Plasma (discontinued)
LAB3246	Enterovirus Qualitative by PCR

Test Name	HSV PCR
Qualitative Results	Not detected (negative), Detected (positive) for HSV Type 1 and HSV Type 2 (test has 2 targets)
Acceptable Specimens	Swabs/Lesion CSF Whole Blood (routes to HSV PCR BLD test) BAL/Bronch/Trach Eye/Vitreous/Aqueous
Sample Requirements	Swab in transport media/PBS Whole blood in EDTA All other sources in sterile container

Test Name	VZV PCR
Qualitative Results	Not detected (negative) or Detected (positive)
Specimen	Swabs/Lesion

	CSF Whole Blood (routes to VZV PCR BLD test) BAL/Bronch/Trach Eye/Vitreous/Aqueous
Sample Requirements	Swab in transport media/PBS Whole blood in EDTA All other sources in sterile container

Test Name	Adenovirus PCR
Quantitative Results	Not detected = Negative, no virus detected <1000 copies/mL = Positive. Virus detected below 1000 copies/mL 1000 copies/mL to 1,000,000 copies/mL = Positive >1,000,000 copies/mL = Positive. Virus detected above maximum quantitative range.
Specimen	CSF Urine EDTA plasma (should be ordered under Adenovirus PCR Plasma order) BAL/Bronch/Trach
Sample Requirements	Plasma in EDTA All other sources in sterile container

Test Name	EBV Quantitative PCR
Quantitative Results	Not detected = Negative, no virus detected <2000 IU/mL = Positive. Virus detected below 2000 IU/mL 2000 IU/mL to 2,000,000 IU/mL = Positive >2,000,000 IU/mL = Positive. Virus detected above maximum quantitative range.
Specimen	CSF BAL/Bronch/Trach Whole Blood/Plasma (should be ordered as EBV PCR BLD)
Sample Requirements	Sterile container Plasma/whole blood in EDTA

Test Name	CMV PCR
Qualitative Results	Not detected (negative) or Detected (positive)
Quantitative Results	Not detected = Negative, no virus detected <1000 IU/mL = Positive. Virus detected below 1000 IU/mL

	1000 IU/mL to 1,000,000 IU/mL = Positive >1,000,000 IU/mL = Positive. Virus detected above maximum quantitative range.	
Specimen	Quantitative	CSF
		BAL/Bronch/Trach
		Whole blood/plasma (should be ordered as CMV PCR BLD)
		Amniotic Fluid
		Eye/Vitreous/Aqueous
	Qualitative	Urine
		Oral/Buccal swabs
		Stool
Sample Requirements	Swab in transport media/PBS Plasma/whole blood in EDTA All other sources in sterile container	

Test Name	Enterovirus PCR
Qualitative Results	Not detected (negative) or Detected (positive)
Specimen	CSF Stool
Sample Requirements	Sterile container

To find this information, visit the University of Colorado Hospital Clinical Laboratory Test Directory at <https://www.testmenu.com/universityhospital>. If you have any questions or special concerns email them to cara.faliano@uchealth.org

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