

Date: March 8, 2019

Test Updates: Update in Methodology and Sample Requirements for HIV, HCV, HBV and CMV

Dear Regional Pathology Services Clients,

Effective March 12, 2019 the Microbiology Laboratory will begin performance of viral quantification for Human Immunodeficiency Virus (HIV), Hepatitis C Virus (HCV), Hepatitis B Virus (HBV), and Cytomegalovirus (CMV) testing on blood sources that were previously performed in the Molecular laboratory. Testing will be performed on the Roche 6800 system, which combines automated nucleic acid extraction, nucleic acid amplification, and calculation of viral load. This methodology is FDA approved for HIV, HBV, HCV, and CMV quantification using the sample types listed below.

Current test orders and codes will remain in effect. Prices and CPT codes will not change.

Please note sample requirement changes. These will also be updated on our website at www.reglab.org on March 12th, 2019.

Test Code	Test Name	Volume	Reportable Range	Sample (Tube Type) Accepted
HEPBQ	HBV DNA Quantitative	650 µl ¹	10-1.00E9 IU/mL	Serum (SST) <i>EDTA no longer accepted</i>
HCVQR	HCV Quantitation with reflex to genotyping	650 µl x2	15-1.00E8 IU/mL	Serum (SST) <i>EDTA no longer accepted</i>
HEPCQ	HCV RNA Detection and Quantitation	650 µl	15-1.00E8 IU/mL	Serum (SST) <i>EDTA no longer accepted</i>
HIVUS	HIV RNA Quantitative	650 µl ¹	20-1.00E7 cp/mL	Plasma (EDTA)
CMVQB	CMV DNA Detection/Quantitation	500 µl	34.5-1.00E7 IU/mL	Plasma (EDTA or PPT)

¹A sample volume of 350 µl is acceptable in certain circumstances.

CMV testing is currently performed using a laboratory-developed test that targets a different segment of the virus, so greater variation between methodologies has been observed. To assist in establishing a baseline for all patients with ongoing viral load monitoring with this new test

methodology, positive samples from the existing tests run February 1 – March 11, 2019 will be rerun using the new system. If specific information is needed regarding results from individual patients please contact Caitlin.murphy@unmc.edu for further information.

Interfaced Clients: Please see the following changes below (additions/changes highlighted). These changes will go into effect on **Monday March 11th**. Please update your systems.

If your system does not need result codes and/or LOINC codes, you can ignore this email.

OrderCode	OrderName	ResultCode	ResultName	ResultUnits	LOINC	CPT
HEPCQ	HCV RNA DETECT/QUANT	HCQ	HCV QUANT. RESULT	IU/mL	11011-4	87522
HEPCQ	HCV RNA DETECT/QUANT	HCL	HCV QUANT COMMENT		48767-8	
HEPCQ	HCV RNA DETECT/QUANT	HCVLG	HCV LOG10		38180-6	

HCVQR	HCV QUANT WITH REFLX	HCQ	HCV QUANT. RESULT	IU/mL	11011-4	87522
HCVQR	HCV QUANT WITH REFLX	HCL	HCV QUANT COMMENT		48767-8	
HCVQR	HCV QUANT WITH REFLX	HCVLG	HCV LOG10		38180-6	

CMVQB	CMV DNA Detect/Quant	CMQB	CMV Quant Result	IU/mL	72493-0	87497
CMVQB	CMV DNA Detect/Quant	CMVLG	CMV LOG10		72494-8	
CMVQB	CMV DNA Detect/Quant	CMVCMT	CMV COMMENT		48767-8	

HEPBQ	HBV DNA QUANTITATIVE	HBQ	HBV QUANT RESULT	IU/mL	42595-9	87517
HEPBQ	HBV DNA QUANTITATIVE	HBL	HBV LOG RESULT		48398-2	
HEPBQ	HBV DNA QUANTITATIVE	MDC79	COMMENT		48767-8	

HIVUS	HIV RNA QUANT ULTRA	HIVU	HIV1 RNA ULTRA	copies/mL	70241-5	87536
HIVUS	HIV RNA QUANT ULTRA	LOGU	LOG10		49890-7	
HIVUS	HIV RNA QUANT ULTRA	MDC19	COMMENT		48767-8	

For questions regarding interface build please contact rpsinterfacesupport@unmc.edu.

If you would like to discuss those changes further please contact client services at 402-559-6420 and ask to speak with one of the client coordinators.