

HIV Diagnostic Testing Algorithm Changes

Orderable: HIV-1/2 ANTIGEN-ANTIBODY [LAB473]

Due to a national shortage of HIV-1/HIV-2 antibody differentiation testing reagents, VCU Health Pathology Laboratories, in collaboration with LabCorp, is implementing a temporary change to the HIV testing algorithm.

Background and Changes:

Specimens that test positive on the initial HIV-1/2 Antigen-Antibody screening test will now reflex directly to HIV-1 and HIV-2 qualitative RNA testing, bypassing the unavailable antibody differentiation test. This change aligns with CDC guidelines and will remain in place until the reagent supply is restored.

HIV Diagnostic Testing Result Reporting				
HIV-1/2 Antigen-Antibody	HIV-1 RNA, QUALITATIVE	HIV-2 RNA, QUALITATIVE	HIV FINAL RESULT	HIV FINAL RESULT COMMENT
Negative	n/a	n/a	Negative	HIV-1 p24 Ag and HIV-1/HIV-2 Ab not detected.
Positive	Reactive	Nonreactive	Positive	HIV-1 positive Laboratory evidence consistent with HIV-1 infection.
Positive	Nonreactive	Reactive	Positive	HIV-2 positive Laboratory evidence consistent with HIV-2 infection.
Positive	Nonreactive	Nonreactive	Negative	HIV negative HIV antibodies and/or HIV antigen were not confirmed and neither HIV-1 nor HIV-2 RNA was detected.
Positive	Reactive	Reactive	Positive	HIV-1/HIV-2 positive HIV antibodies and/or HIV antigen were confirmed and HIV-1 and HIV-2 RNA was detected. Laboratory evidence consistent with HIV-1 and HIV-2 coinfection.

For questions, please contact Pathology Client Services at (804) 828-7284.