

# HIV-1 and HIV-2 Antigen and Antibody Diagnostic Evaluation, Plasma

**Test ID:** HIVDX

**Explanation:** On the effective date, the testing algorithm will be updated to facilitate resolution of HIV antigen/antibody discrepancies with qualitative molecular testing (including HIV-2), and quantitative molecular testing of specimens confirmed positive for HIV-1 antibodies.

Current Algorithm	New Algorithm
<p>This test begins with HIV-1/-2 antigen and antibody screen by chemiluminescence immunoassay. If the screen result is reactive, then HIV-1/-2 antibody confirmation/differentiation test (<b>HVDIP</b>) by immunochromatographic method is performed at an additional charge.</p> <p>If the HIV-1/-2 antibody confirmation/differentiation test (<b>HVDIP</b>) is negative for both HIV-1 antibody and HIV-2 antibody, or indeterminate/negative for HIV-1/-2 antibody, or indeterminate/indeterminate for HIV-1/HIV-2 antibody, then HIV-1 RNA detection and quantification (<b>HIVQN</b>) is performed at an additional charge.</p>	<p>This test begins with HIV-1/-2 antigen and antibody (Ab) screen by chemiluminescence immunoassay. If the screen result is reactive, then HIV-1/-2 antibody confirmation/differentiation test (<b>HVDIP</b>) by immunochromatographic method is performed at an additional charge.</p> <p>If the following result types are obtained from the HIV-1/-2 confirmation/differentiation test (<b>HVDIP</b>), HIV-1/HIV-2 RNA detection (<b>HIP12</b>) will be performed at an additional charge:</p> <ul style="list-style-type: none"> <li>- Negative for both HIV-1 Ab and HIV-2 Ab</li> <li>- Indeterminate for HIV-1 Ab but negative for HIV-2 Ab</li> <li>- Negative for HIV-1 Ab but indeterminate for HIV-2 Ab</li> <li>- Indeterminate for both HIV-1 Ab and HIV-2 Ab</li> <li>- Positive for both HIV-1 Ab and HIV-2 Ab</li> </ul> <p>If the following result types are obtained from the HIV-1/-2 confirmation/differentiation (<b>HVDIP</b>), HIV-1 RNA detection and quantification (<b>HIVQN</b>) will be performed at an additional charge:</p> <ul style="list-style-type: none"> <li>- Positive for HIV-1 Ab and negative for HIV-2 Ab</li> <li>- Positive for HIV-1 Ab and indeterminate for HIV-2 Ab</li> </ul>
Current Reflex Tests	New Reflex Tests
HVDIP - HIV Ab Confirm / Differentiation, P	HVDIP - HIV Ab Confirm / Differentiation, P
HIVQN - HIV-1 RNA Detect/Quant, P	<b>HIP12 - HIV-1/HIV-2 RNA Detect, P (new test code)</b>
	HIVQN - HIV-1 RNA Detect/Quant, P

## Questions

Contact James Conn, Laboratory Resource Coordinator at 800-533-1710.