

Attachment 2

**Interpreting Clinical Laboratory Results from the HIV Diagnostic Testing Algorithm**

	<b>Test Method</b>	<b>Test Result</b>	<b>Interpretation</b>
A	1. HIV-1/2 Ag/Ab combo immunoassay	1. Nonreactive	Negative for HIV-1 antigen and HIV-1/HIV-2 antibodies. No laboratory evidence of HIV infection.
B	1. HIV-1/2 Ag/Ab combo immunoassay 2. HIV-1/HIV-2 antibody differentiation immunoassay	1. Reactive 2. HIV-1 Positive	Positive for HIV-1 antibodies. Laboratory evidence of HIV-1 infection is present.  <i>Provider case reporting required*</i>
C	1. HIV-1/2 Ag/Ab combo immunoassay 2. HIV-1/HIV-2 antibody differentiation immunoassay	1. Reactive 2. HIV-2 Positive	Positive for HIV-2 antibodies. Laboratory evidence of HIV-2 infection is present.  <i>Provider case reporting required*</i>
D	1. HIV-1/2 Ag/Ab combo immunoassay 2. HIV-1/HIV-2 antibody differentiation immunoassay 3. HIV-1 RNA assay	1. Reactive 2. Nonreactive or Indeterminate 3. Not detected	HIV antibodies were not confirmed and HIV-1 RNA was not detected. No laboratory evidence of HIV-1 infection is present. Further testing is recommended if warranted by clinical evaluation or risk factors.
E	1. HIV-1/2 Ag/Ab combo immunoassay 2. HIV-1/HIV-2 antibody differentiation immunoassay 3. HIV-1 RNA assay	1. Reactive 2. Nonreactive or Indeterminate 3. Detected	Positive for HIV-1. Laboratory evidence of HIV acute HIV-1 infection is present.  <i>Provider case reporting required*</i>
F	1. HIV-1/2 Ag/Ab combo immunoassay 2. HIV-1/HIV-2 antibody differentiation immunoassay	1. Reactive 2. HIV Positive (Undifferentiated)	Positive for HIV antibodies. Laboratory evidence of HIV infection is present. HIV antibodies could not be differentiated as HIV-1 or HIV-2. Additional testing for HIV-1 RNA and HIV-2 RNA or DNA is warranted.  <i>Provider case reporting required*</i>
G	1. HIV-1/2 Ag/Ab combo immunoassay 2. HIV-1/HIV-2 antibody differentiation immunoassay	1. Reactive 2. Nonreactive or Indeterminate	HIV-1 antibodies were not confirmed and HIV-1 RNA testing was not performed. <b>Testing of this specimen is incomplete. Follow-up testing for HIV antibodies and HIV-1 RNA is recommended as soon as possible.</b>

*\*Provider case reporting required:* Under New York State public health law, medical providers are required to report to the NYSDOH cases of HIV infection, HIV-related illness, AIDS and, for newly diagnosed cases, the names of all contacts known to the provide using the NYS Medical Provider HIV/AIDS and Partner/Contact Report Form (PRF) (DOH-4189 revised 8/05) **within 14 days of diagnosis**. Please contact the NYSDOH at (518) 474-4284 for additional information and reporting forms. In New York City, contact NYCDOHMH at 212-442-3388.