HIV Prenatal Testing Algorithm, Including Follow-up of Reactive Rapid Serologic Test Results

Reactive results from:
- Rapid HIV-1 test
- Rapid HIV-1/-2 test

**REACTIVE**

HIVSP / HIV Antigen and Antibody Prenatal Routine Screen, Plasma
If indicated, all subsequent tests listed are performed and charged separately automatically

**NEGATIVE**

STOP
Repeat HIVSP in 2 to 4 weeks for at-risk patients

Reactive plasma specimens from 3rd generation HIV-1/2 antibody screening tests* Order: HVDSP / HIV-1 and HIV-2 Antibody Confirmation and Differentiation Prenatal, Plasma

**REACTIVE**

HIV-1 and HIV-2 Antibody Confirmation and Differentiation Prenatal, Plasma

**NEGATIVE**

STOP
Repeat HIVSP in 2 to 4 weeks for at-risk patients

HIV-1 Ab Positive
HIV-2 Ab Negative

HIV-1 Ab Positive
HIV-2 Ab Indeterminate

HIV-1 Ab Negative
HIV-2 Ab Positive

HIV-1 Ab Negative
HIV-2 Ab Indeterminate

HIV-1 Ab Indeterminate
HIV-2 Ab Positive

HIV-1 Ab Indeterminate
HIV-2 Ab Indeterminate

HIV-1 Ab Positive
HIV-2 Ab Positive

HIV-1 Ab Positive
HIV-2 Ab Indeterminate

HIV-1 Ab Reactive
HIV-2 Ab Positive

HIV-1 Ab Indeterminate
HIV-2 Ab Positive

HIV-1 Ab Positive
HIV-2 Ab Positive

If suspecting acute HIV infection in a high-risk patient, order: HIQNP / HIV-1 RNA Detection and Quantification, Prenatal, Plasma

**DETECTED OR ANY VIRAL LOAD VALUE**

If HIV-1 RNA Detection and Quantification, Prenatal, Plasma

**DETECTED**

HIV-1 infection

**UNDDETECTED**

Suspect possible HIV-1 strain variants, order: HVDSP / HIV-1 DNA and RNA Qualitative Detection by PCR, Plasma

**DETECTED**

HIV-1 infection

**UNDDETECTED**

At risk for HIV-2 infection?

**NO**

STOP
Order: FHV2Q / HIV-2 DNA/RNA Qualitative Real-Time PCR

**YES**

Possible HIV-1 and HIV-2 coinfection

**HIV-1 infection**

**HIV-2 infection**

**Possible HIV-1 and HIV-2 coinfection**

*Specimens from individuals with reactive results from 3rd generation HIV-1/2 antibody screening tests can enter this testing algorithm at HVDSP with applicable downstream testing.

1 For verification, submit new specimen for HIQNP

2 For verification, submit new specimen for FHV2Q

3 Contact Mayo Medical Laboratories for testing advice

**Note:** For diagnostic and screening for HIV-2 infection only. Testing see HIV-2 Testing Algorithm: Screening (Nonsymptomatic) and Diagnostic (Symptomatic)