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

Reactive results from:
- Rapid HIV-1 antibody test (serum, plasma, or whole blood)
- Rapid HIV-1/-2 antibody test (serum, plasma, or whole blood)
- Rapid HIV-1 antigen/antibody test (whole blood)

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

**REACTIVE**

- HIV-1 Ab Positive
  - HIV-2 Ab Negative
    - HIV-1 infection¹
  - HIV-2 Ab Indeterminate
    - HIV-2 infection²
- HIV-1 Ab Negative
  - HIV-2 Ab Positive
    - HIV-1 Ab Negative
      - HIV-2 Ab Indeterminate
      - HIV-2 infection²
  - HIV-2 Ab Negative
    - HIV-1 Ab Indeterminate
      - HIV-2 Ab Indeterminate

**NEGATIVE**

- HIV-1 Ab Reactive
  - HIV-2 Ab Positive
    - HIV-1 Ab Indeterminate
      - HIV-2 Ab Indeterminate

**DETECTED OR ANY VIRAL LOAD VALUE**

- HIV-1 infection¹
  - At risk for HIV-2 infection?
    - NO
      - STOP
    - YES
      - Order: FHV2Q / HIV-2 DNA/RNA Qualitative Real-Time PCR
- UNDETECTED
  - HIV-1 infection³

*Plasma specimens from individuals with reactive results from rapid HIV antigen/antibody, 3rd generation HIV-1/-2 antibody, or 5th generation HIV antigen/antibody screening tests can enter this testing algorithm at HIVSP with applicable downstream testing.

¹ For verification, submit new specimen for HIQNP
² For verification, submit new specimen for FHV2Q
³ Contact Mayo Clinic 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)