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)

Order one of the following:
- HVDSP / HIV-1 and HIV-2 Antibody Confirmation and Differentiation Prenatal, Plasma
- HVPPS / HIV-1 and HIV-2 Antibody Confirmation and Differentiation Prenatal, Serum

If indicated, all subsequent tests listed are performed and charged separately automatically

STOP

Depending on which test was originally ordered, repeat HVDSP or HVPPS in 2 to 4 weeks for at-risk patients.

HIV-1 Ab Positive
HIV-2 Ab Negative

HIV-1 Ab Negative
HIV-2 Ab Indeterminate

HIV-1 Ab Indeterminate
HIV-2 Ab Negative

Presumptive HIV-2 infection

Automatically reflexes to:
- HPP12 / HIV-1/HIV2 RNA Detection Prenatal, Plasma
- HPS12 / HIV-1/HIV2 RNA Detection Prenatal, Serum

HIV-1 RNA Negative
HIV-2 RNA Negative

No HIV infection

HIV-1 Ab Indeterminate
HIV-2 Ab Negative

HIV-1 and HIV-2 coinfection

Presumptive HIV-1 infection

If suspecting acute HIV infection in high-risk patient
Reactive results for HIV antigen only for rapid or laboratory-based HIV antigen/antibody screening tests
Order:
- HPP12 / HIV-1/HIV2 RNA Detection Prenatal, Plasma
- HPS12 / HIV-1/HIV2 RNA Detection Prenatal, Serum
- HICQDR / HIV-1 RNA Quantification with Reflex to Genotypic Drug Resistance to Reverse Transcriptase, Protease, and Integrase Inhibitors, Plasma

Plasma or serum specimens positive for HIV-1 and/or HIV-2 antibody by HIV-1/HIV-2 antibody supplemental or differentation tests
Order:
- HIP12 / HIV-1/HIV2 RNA Detection, Plasma
- HIS12 / HIV-1/HIV2 RNA Detection, Serum

* 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 HVDSP or HVPPS with applicable downstream testing.
1 Submit new plasma specimen for HIVQN.
2 Contact state department of health HIV surveillance unit for arrangement to send additional specimens to CDC for HIV-2 testing.

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