**Human Immunodeficiency Virus in Adults Testing**

OFFER ONE TIME SCREENING TO ALL ADULTS AND CHILDREN >13 YEARS AND MORE FREQUENT SCREENING FOR HIGH-RISK* PATIENTS

---

### Preferred Screening

**4th Generation Ag/Ab Test with Reflex to Confirmation**

ORDER

Human Immunodeficiency Virus (HIV) Combo Antigen/Antibody (HIV-1/O/2) by CIA, Reflexive Panel

- Negative for HIV1/2
- Repeatedly reactive

**Confirmation**

HIV-1/2 Ab Differentiation Immunoassay

**Positive 3rd or 4th Generation Test**

Performed at client site

**Point-of-Care Rapid Test**

(eg. Alere Determine HIV-1/2 Ag/Ab Combo, INSTI HIV-1/HIV-2, HIV 1/2 STAT-PAK, Multispot HIV-1/HIV-2, OraQuick ADVANCE, Reveal G3, Clearview Complete HIV 1/2, Unigold Recombigen)

- Positive
- Negative for HIV1/2

**Negative for HIV1/2**

HIV-1 (§)

HIV-2 (¶)

HIV-1 infection

Indeterminate for HIV-1

Indeterminate for HIV-1

HIV-2 infection

HIV infection; cannot differentiate HIV-1 from HIV-2

4th Gen Ag/Ab test reflexes to HIV-1 by Quantitative PCR

- Negative
- Positive

**Negative for HIV-1**

**Acute HIV-1 infection**

**Indeterminate** for HIV-1

Consider HIV-2 testing if clinically indicated

**HIV-1 NAAT testing**

- Negative
- Positive

**Negative for HIV-1**

Consider HIV-2 testing if clinically indicated

**Acute HIV-1 infection**

---

### Alternative Screening

**3rd or 4th Generation Test Reflexing to Western Blot**

ORDER

- Human Immunodeficiency Virus Types 1 and 2 (HIV-1, HIV-2) Antibodies by CIA with Reflex to HIV-1 Antibody Confirmation by Western Blot
- HR

- Human Immunodeficiency Virus Type 1 (HIV-1) Antibody by CIA with Reflex to HIV-1 Antibody Confirmation by Western Blot
- OR

- Human Immunodeficiency Virus (HIV) Combo Antigen/Antibody (HIV-1/O/2) by CIA, with Reflex to HIV-1 Antibody Confirmation by Western Blot

**Confirmation by Western Blot** (Combo test reflexes to Western Blot)

- Negative
- Indeterminate
- Positive

- HIV-1 NAAT testing

- Consider repeating Western Blot in 4-6 weeks

- Consider HIV-2 testing if clinically indicated

- HIV-1 infection

**Negative**

**Indeterminate** for HIV-1

**Positive**

**Negative** for HIV-1

**Acute HIV-1 infection**

**Consider HIV-2 testing if clinically indicated**

---

**Notes**

* Previous blood product recipient, intravenous drug abuse, multiple sexual encounters, chronic hepatitis, organ donors, recurrent pneumonia, and/or tuberculosis

†Not available to New York clients; refer to HIV combo antigen/antibody (HIV-1/O/2) by CIA, with reflex to differentiation, supplemental

‡Consider retesting in high-risk patients if clinically indicated

§If the initial screen performed was an Ag/Ab combination assay, NAAT testing is recommended for follow-up; NAAT testing is also recommended following a negative Western blot if recent exposure or primary/ acute HIV infection is suspected

© 2006 ARUP Laboratories. All Rights Reserved. www.arupconsult.com Last updated: February 2017