

## HIV-1/-2 Antibody Evaluation, Serum

Test ID: HIVE

**EXPLANATION:** Due to implementation of 4th generation HIV serologic screening testing algorithm at Mayo Medical Laboratories, this evaluation test will become obsolete.

**RECOMMENDED ALTERNATIVE TEST:** HIVCO / HIV-1 AND HIV-1 Antigen and Antibody Evaluation, Serum

**USEFUL FOR:**

- Screening for HIV-1 and/or HIV-2 infection in asymptomatic patients.
- Diagnosis of HIV-1 and/or HIV-2 infection in symptomatic patients.

**METHOD:** Chemiluminescent microparticle immunoassay

**REFLEX TESTS**

Test ID	Reporting Name	Available Separately	Always Performed
HIVDI	HIV-1/-2 Ab Differentiation, S	Yes	No
HV1WB	HIV-1 Ab Confirm by Western Blot, S	Yes	No
HIV2L	HIV-2 Ab Confirmation, S	Yes	No

**TESTING ALGORITHM:** This test begins with HIV-1/-2 antigen and antibody screen by the chemiluminescence immunoassay method. If the screen result is reactive, then HIV-1/-2 antibody differentiation test (by membrane immunoconcentration method) will be performed at an additional charge. Depending on the HIV-1 and HIV-2 antibody results of this differentiation test, subsequent reflex tests such as HIV-1 antibody confirmation by Western blot and HIV-2 antibody confirmation by line immunoassay will be performed when appropriate and at an additional charge.

**REFERENCE VALUES:** Negative

**SPECIMEN REQUIREMENTS:**

**Collection Container/Tube:** Serum gel

**Submission Container/Tube:** Plastic vial

**Preferred:** Serum gel

**Acceptable:** Red top

**Specimen Volume:** 3 mL

**Collection Instructions:** Spin down and remove serum from clot within 24 hours.

**Minimum Volume:** 0.2 mL

**SPECIMEN STABILITY INFORMATION:**

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	21 days
	Ambient	36 hours
	Frozen	30 days

**CAUTIONS:** Reactive result of this assay does not differentiate among reactivity with HIV-1 p21 antigen, HIV-1 antibody, and HIV-2 antibody.

A reactive screening test result is not diagnostic for HIV infection and should be considered preliminary. The positive predictive value of a reactive screening test result is highly dependent on the prevalence of HIV infection in the population tested. The lower the prevalence of HIV infection, the lower the positive predictive value and higher the false-positive rate of the test. Diagnosis of HIV infection must be based on positive results of the supplemental or confirmatory serologic or molecular tests.

**CPT CODES:** HIVCO: 87389  
HIVDI: 86701 HIV-1 Antibody (if appropriate)  
86702 HIV-2 Antibody (if appropriate)  
HVIWB: 86689 HIV-1 antibody (if appropriate)  
HIV2L: 86689 (if appropriate)

**DAY(S) SET UP:** Monday through Saturday    **ANALYTIC TIME:** 1 day

**QUESTIONS:** Contact your Mayo Medical Laboratories' Regional Manager or  
Kim J. Baker, MML Laboratory Technologist Resource Coordinator  
Telephone: 800-533-1710