Lab Dept:	**Serology**
Test Name:	**HIV-1,2 ANTIGEN/ANTIBODY EVALUATION REFLEX (ANTI-HIV-1,2)**

General Information

Lab Order Codes:	HIV12
Synonyms:	Human Immunodeficiency Virus Types 1 and 2 (combined) Antibodies; Anti-HIV-1,2; Anti-HIV
CPT Codes:	87389 – HIV-1 antigen, with HIV1/2 antibodies, single result 86701 – HIV-1 antibody (if appropriate) 86702 – HIV antibody-type 2 (if appropriate)
Test Includes:	HIV-1,2 Ag/Antibody reported as negative or reactive. If HIV-1,2 ag/antibody is reactive, then HIV-1,2 antibody differentiation is performed (by rapid immunographic method) at an additional charge.

Logistics

Test Indications:	Screening and confirmation of HIV-1 and HIV-2 infection.
Lab Testing Sections:	Serology - Sendouts
Referred to:	Mayo Medical Laboratories (Test: HIVCO)
Phone Numbers:	MIN Lab: 612-813-6280 STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	1 – 2 days, tests performed Monday - Saturday. Confirmatory testing may increase turnaround times.
Special Instructions:	This test is not offered as a screening or confirmatory test for blood donor specimens. See Patient HIV Testing Algorithm (http://www.mayoreferenceservices.org/mrs/media/test-algorithms/hiv_serologic_screening.pdf) for more information.

Specimen

Specimen Type:	Blood
Container:	SST (Marble, gold or red)

Draw Volume:	3 mL (Minimum: 1.5 mL) blood
Processed Volume:	1 mL (Minimum 0.5 mL) serum
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Centrifuge specimen within 24 hours, remove serum/plasma aliquot into screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Specimens other than serum/plasma as indicated; lithium heparin samples are unacceptable; mislabeled or unlabeled specimens; gross hemolysis; gross lipemia; grossly icteric

Interpretive

Reference Range:	Negative (reported as negative or reactive) Additional testing at an additional charge will be performed if the specimen is reactive. Refer to Test Includes:
Critical Values:	N/A
Limitations:	Reactive results 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 o 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.
Methodology:	HIV-1, Ag/Ab Screen and HIV-2 Aby: Chemoluminescenct particle assay HIV-1 Differentiation: Rapid Immunographic method HIV-2 Differentiation: Rapid Immunographic method
References:	Mayo Medical Laboratories Web Page June 2016

Updates:	4/6/2004: Test moved from Memorial Blood Center of Minneapolis to Mayo Medical Laboratories. Note: Test now reflexes to supplemental/confirmatory testing (with additional charges) when indicated by reactive findings. 11/18/2008: Method change, previously listed as Enzyme Immunoassay 3/13/2012: EDTA no longer appropriate tube type. 3/1/2013: HIV-2 confirmation now preformed by immunoassay at Mayo. 5/19/2014: Method change previously listed as HIV1/2 Aby Scn by Chemoluminescence (EIA). Now also screen for HIV-1 antigen. CPT code change for screening test. Previously listed as 86709.