

iCARE HIV 1&2 Tri-Line Rapid Screen Test (Whole Blood/Serum/Plasma)

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Category Name : Sexually Transmitted Disease (STD) Rapid Screen Test Kit



The assay starts with a sample applied to the sample well. A recombinant HIV antigen conjugated to colloidal gold embedded in the sample pad reacts with the HIV antibody present in whole blood, serum or plasma forming conjugate/HIV antibody complex. As the mixture is allowed to migrate along the test strip, the conjugate/HIV antibody complex is captured by recombinant HIV antigen immobilized on a membrane forming a colored test line in the test region. A negative sample does not produce a test line due to the absence of colloidal gold conjugate/HIV antibody complex. The antigens used in the conjugate test are recombinant proteins that correspond to highly immunoreactive regions of HIV1 and HIV2. A colored control line in the control region appears at the end of test procedure regardless of test result. This control line is the result of colloidal gold conjugate binding to the anti-HIV antibody immobilized on the membrane. The control line indicates that the colloidal gold conjugate is functional.

Two test lines are coated on the membrane; on T1 region recombinant gp41, p24, and gp120 are immobilized; most of HIV I or HIV II infected samples give positive results on T1 region; On T2 region a recombinant gp36 is coated, which is HIV II specific, and a positive result appearing on T2 region indicates a HIVII positive samples.

The ICARE Anti-HIV(1&2) Tri-line Test is a immunochromatographic (rapid) test for the qualitative detection of antibodies of all isotypes (IgG,IgM,IgA) specific to HIV-1 including subtype O and HIV-2 simultaneously, in human whole blood, serum or plasma.

Specifications

Category Name	STD Rapid Test Kit
Catalog No	IT1002
Packing	Hospital Version: 40T Field Version: 1T
Specimen	Whole blood / Serum / Plasma
Type of Test	Antibody
Format	Hospital version: 1 well cassette, pipette, diluents (6 bottles) Field version: 1 well cassette, pipette
Sample	10ul serum

Specifications

Result	Within 15 minutes
Specificity	100%
Sensitivity	100%
Shelf Life	24 months
Storage	Store at 4 °C ~ 30 °C in the sealed pouch up to the expiration date.

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