

# iCARE Syphilis Rapid Screen Test

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

iCARE One Step Syphilis Whole Blood/Serum/Plasma Test Cassette is a rapid test for the visual detection of antibodies of *Treponema Pallidum* (TP) in whole blood/serum/plasma as an aid in the diagnosis of syphilis infection.

iCARE One Step Syphilis Whole Blood/Serum/Plasma Test is based on the principle of double antigen sandwich immunoassay for determination of TP antibodies in whole blood/serum/plasma. Recombinant antigens TpN15, TpN17 and TpN47 are coated on the solid membrane. There are two coated lines in the result window. One is the test line (T), coated with recombinant antigens, the other is control line (C), coated with polyclonal antibodies. When add specimen to the sample well, the specimen is absorbed into the device by capillary action, mixes with the antigen-dye conjugate, and flows across the pre-coated membrane.



When the TP antibody levels in the specimen are at or above the target cut-off (the detection limit of the test), TP antibodies bind to the antigen-dye conjugate and are captured by recombinant antigens immobilized in the test region (T) of the device and forms Ag-Ab-Ag-Au precipitates. This produces a colored test band and indicates a positive result.


When the TP antibody levels in the specimen are zero or below the target cut-off, there is no visible colored band in the test region (T) of the device, and it indicates a negative result.

To serve as a procedure control, a colored line will appear at the control region (C), if the test has been performed properly.

## Specifications

Category Name	STD Rapid Test Kit
Catalog No	WF1003
Packing	Hospital version: 40T Field version: 1T OTC Packing
Specimen	Whole blood / Serum / Plasma

## Specifications

Type of Test	Antibody
Format	Hospital version: 1 well cassette, pipette, diluents (4 bottles) Field version: Buffer A, Buffer B, extraction tube, swab, 1 well cassette, pipette
Sample	10ul serum
Result	Within 5 minutes
Specificity	98%
Sensitivity	99%
Certification	
Shelf Life	24 months
Storage	Store at 4 °C ~ 30 °C in the sealed pouch up to the expiration date.

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