

Anti-Syphilis Test



Syphilis is a sexually transmitted infection (STI) caused by bacteria *Treponema pallidum* and it is curable. *Treponema pallidum* is a gram-negative and micro-aerophilic bacteria, which is a member of the *Spirochaetaceae* family. *Treponema* is mostly transmitted by direct contact with the active lesion. However, it may also be transmitted from mother to fetus during pregnancy or at birth and result in congenital syphilis.

As a result of the serological response in individuals exposed to syphilis infection, both non-specific and specific anti-*Treponema pallidum* antibodies are produced.

Anti-treponemal IgM starts increasing and reaches detectable levels after syphilis lesions are observed as a result of a syphilis infection. Anti-treponemal IgG antibodies can be detected starting from the fourth week of infection. Therefore, it is possible to detect the anti-treponemal IgG and IgM antibodies in many patients after symptoms begin to appear.

INTENDED USE

TurkLab's Anti-Syphilis Test is an immunochromatographic assay for the qualitative detection of treponemal antibodies (IgA, IgM, IgG) generated against *Treponema pallidum* antigens (17 kDa, 15 kDa, 47 kDa) in human whole blood/serum/plasma with high sensitivity and specificity.

PERFORMANCE EVALUATION

- Sensitivity: 99,9%
- Specificity: 99,8%



| PRODUCT | TEST TYPE | SAMPLE TYPE | READING TIME | KIT SIZE | KIT COMPONENTS |
|---------------|-----------|-------------|--------------|----------|---|
| Anti-SYPHILIS | CASSETTE | WB/S/P | 20 Min. | 40 | Test cassette + pipette + diluent + instructions for use. |