

recomLine Treponema IgG recomLine Treponema IgM

Strip-Immunoassay with antigens produced by recombinant techniques for the detection of IgG or IgM antibodies against *Treponema pallidum*

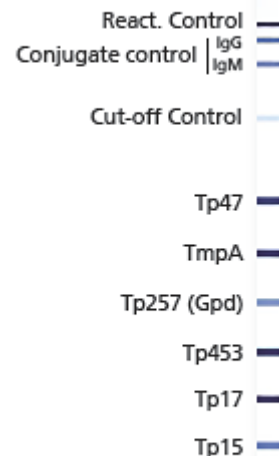
Treponema pallidum subsp. *pallidum* is the causative agent of syphilis, a chronic disease that occurs only in humans. The disease progresses in several stages. After a short propagation period at the site of infection (primary state), the pathogen spreads systemically (secondary state). After the decline of acute symptoms, *Treponema pallidum* can persist for years (latency stage) and cause later complications (tertiary syphilis and neurosyphilis).

The *recomLine* Treponema IgG/IgM assay uses *T. pallidum*-specific recombinant antigens Tp47, Tp17, Tp15, TmpA, Tp257 (Gpd), and Tp453 and provides an easy and a reliable assay for *T. pallidum* IgG and IgM antibody.

- Includes 6 serologically relevant *T. pallidum* antigens.
- Separate detection of IgG and IgM antibodies is possible.
- Control band on every strip.

Product #5172 *recomLine* Treponema IgG
(reagents for 20 tests)

Product #5173 *recomline* Treponema IgM
(reagents for 20 tests)

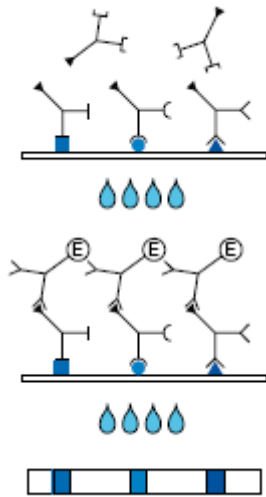


For more information visit

<https://www.mikrogen.de/english/nc/products/product-overview/testsystem/treponema-igg-1.htm>

Available in the U.S. For Research Use Only.
Not intended for diagnostic procedures.

Test Principle and Procedure



1st Incubation

A test strip loaded with HIV antigens is incubated with diluted sample in a dish for **1-3 hours**.

Wash strip 3 times.

2nd Incubation

Peroxidase conjugated anti-human IgG or IgM is added. Incubate for **45 minutes**.

Wash strip 3 times.

Color reaction

8 minutes after addition of the coloring solution, insoluble colored bands develop at the sites on the test strips occupied by antibodies.

Recombinant Treponema Antigens

Antigen	Function	Size (kDa)
Tp47	Membrane protein	47
TmpA	Membrane protein	42
Tp257 (Gpd)	Glycerophosphodiester-Phosphodiesterase, membrane protein	39
Tp453	Membrane protein	28
Tp17	Membrane protein	17
Tp15	Membrane protein	15

Storage

+2°C - +8°C

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