

## SmartEIA Treponema pallidum IgG

**EAN Code:** 8595635306488

**Catalog number:** SK-TpG096

**Package size:** 96 tests

**Storage:** 2-8 °C

**Producer:** TestLine Clinical Diagnostics s.r.o.



### Description:

- Microtitre wells are coated with the specific antigens of *Treponema pallidum*, particularly p17, p47, p41 and p15.
- If specific antibodies are present, they bind to the antigen, are labeled by the Conjugate in the following steps and are detected by color reaction with a single component substrate (TMB-Complete).
- The kit allows 96 tests, including controls in a split microtiter plate with color-coded strips and breakable wells.

### Advantages:

- The total assay time is about 2 hours 30 minutes.
- High sensitivity and specificity of the test.
- Kit includes CUT-OFF, Positive Control and Negative Control, Calibrators.
- Semi-quantitative evaluation in the Index of Positivity (IP).
- Ready-to-use, color-coded components.
- Single-component substrate.
- Interchangeable components with the exception of kit specific components (Controls, Conjugate, Plate).

**Application:**

- Highly sensitive and specific ELISA method for detection of anti-treponema IgG is suitable for screening as well as confirmation of non-treponemal (VDRL, RPR, etc.) and treponemal (TPHA, etc.) test results.
- Determination of IgG and IgM antibodies enables to distinguish between contemporary and previously undergone infection, diagnostics of congenital infection, monitoring of antibiotic treatment efficiency.

**Brief assay procedure:**

1. Dilute samples (1:101).
2. Pipette Controls and diluted Samples.
3. Incubate at 37°C for 60 min.
4. Aspirate and wash the wells 5×
5. Pipette Conjugate.
6. Incubate at 37°C for 30 min.
7. Aspirate and wash the wells 5×
8. Pipette Substrate (TMB-Complete).
9. Incubate at 37°C for 30 min.
10. Pipette Stop Solution.
11. Read color intensity at 450 nm.
12. Evaluate the test.

**SmartEIA kits are specifically designed for automated processing on the Agility® instrument, Dynex Technologies, Inc.**