

## SmartEIA Borrelia IgM

**EAN Code:** 8595635305696

**Catalog number:** SK-BM0096

**Package size:** 96 tests

**Storage:** 2-8 °C

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



### Description:

- Microtitre wells are coated with the sonicated whole-cell mixed antigen prepared by cultivation of three *Borrelia* species: *B. garinii*, *B. afzelii* and *B. burgdorferi sensu stricto*. The selected strains are characteristic by high content of heterogenic isoforms of surface antigens OspA, OspC and outer extracellular antigen p83-100.
- 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 1 hour 30 minutes.
- High sensitivity and specificity of the test.
- Kit includes CUT-OFF, Positive Control and Negative Control.
- 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).
- Detection of intrathecal production of specific antibodies with the Antibody Index Software (made by TestLine).

### Application:

- Screening test for the detection of Lyme borreliosis in humans.
- Checking of therapy results using the semiquantitative determination.

**Brief assay procedure:**

1. Dilute samples of serum/plasma (1:101), synovial fluid (1:21, 1:41) or cerebrospinal fluid (1:2).
2. Pipette Controls and diluted Samples.
3. Incubate at 37°C for 30 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 15 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.**