EIA Borrelia IgM



EAN Code: 8595635302626
Catalog number: 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 izoforms 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.