

Zdroj https://www.testlinecd.com/smarteia-bordetella-pertussistoxin-igm

## SmartEIA Bordetella pertussis Toxin IgM

EAN Code: 8595635306075 Catalog number: SK-BpMT96 Package size: 96 tests Storage: 2-8 °C Producer: TestLine Clinical Diagnostics s.r.o.



### Description:

- Microtitre wells are coated with highly purified toxin of Bordetella pertussis.
- 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.
- 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).

#### **Application:**

- Serological determination of antibodies to pertussis toxin.
- Diagnostics of post-infection and post-vaccination antibody response.
- Disease phase diagnostics based on significant rise or decrease of the antibodies.

#### Brief assay procedure:



- 1. Dilute samples (1:101).
- 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 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<sup>®</sup> instrument, Dynex Technologies, Inc.