

## **BLOT-LINE Bordetella IgM**



EAN Code: 8595635305610 Catalog number: BpML20 Package size: 20 tests

Storage: 2-8 °C

Producer: TestLine Clinical Diagnostics s.r.o.

## **Description:**

- Antigen used: combination of selected parts of the specific antigens of Bordetella (B. pertussis pertussis toxin (PT), filamentous hemagglutinin (FHA), adenylate cyclase toxin (ACT), tracheal
  colonization factor (TCF), B. parapertussis outer membrane protein (Pertactin), adhesion (FimN),
  entericidin A (EntA).
- Recombinant antigens are transferred to the nitrocellulose membrane (i.e. to the respective

BLOT-LINE (BL) strips).

- If specific antibodies are present in the sample, they will bind to the respective antigens.
- The complex is labelled with Conjugate and detected through a colour reaction with substrate (BCIP/NBT).
- The kit enables 20 tests.
- Short incubation periods, total assay time: approximately 1.5 h.
- High sensitivity and specificity.
- All reagents supplied are ready to use.
- The kit may be used sequentially for smaller batches of samples (reagents are provided in sufficient quantities).
- Positive and Negative controls included enabling validation of the tests.
- BL strips equipped with conjugate control band and a control band indicating kits functionality and sensitivity.
- Colour identification in compliance with antibody classes.

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- Identical (i.e. interchangeable) reagents (except for Conjugate) in all BLOT-LINE kits.
- Evaluation of results the intensity of the bands can be evaluated visually or by means of software (Immunoblot Software).

## **Applications:**

- Laboratory test for the detection of B. pertusis and B. parapertussis, confirmatory test to ELISA.
- Laboratory test for the detection of B. pertusis and B. parapertussis.

## Brief assay procedure:

- 1. Dilute serum/plasma samples (1:51).
- 2. Pipette diluted samples and controls into the channels of the tray and insert the BL strips.
- 3. Incubate for 30 min at room temperature using a shaking apparatus.
- 4. Wash 3 times for 5 min.
- 5. Add Conjugate.
- 6. Incubate for 30 min at room temperature using a shaking apparatus.
- 7. Wash 3 times for 5 min.
- 8. Add substrate (BCIP/NBT).
- 9. Incubate for 15 min at room temperature using a shaking apparatus.
- 10. Wash 2 times for 5 min in distilled water.
- 11. Dry the strips and evaluate results using the validation strip enclosed or using Immunoblot Software.

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