

## BLOT-LINE Borrelia/HGA IgG

**EAN Code:** 8595635300721

**Catalog number:** BGL020

**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 *Borrelia* sp. (VlsE *B. afzelii*, VlsE *B. garinii*, VlsE *B. b. sensu stricto*, p83, p41, p39, OspB, OspA *B. afzelii*, OspA *B. garinii*, OspA *B. b. sensu stricto*, OspC a p17), high specific antigen of *Anaplasma phagocytophilum* (p44) and recombinant antigen TpN17 for exclusion of cross-reactivity with *Treponema pallidum*.
- 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).
- BL strips equipped with conjugate control band and a control band indicating kits functionality and sensitivity.
- Positive and Negative controls included enabling validation of the tests.
- Colour identification in compliance with antibody classes.

- Identical (i.e. interchangeable) reagents (except for Conjugate) in all BLOT and BLOT-LINE Borrelia 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 Lyme borreliosis, confirmatory test to ELISA.
- Laboratory test for the detection of Anaplasmosis.

**Brief assay procedure:**

1. Dilute serum/plasma samples (1:51), cerebrospinal fluids (1:2), synovial fluid (1:17.5).
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.