Microblot-Array COVID-19 IgG



EAN Code: 8595635309359
Catalog number: CoVGMA96
Package size: 96 tests
Storage: 2-8 °C
Producer: TestLine Clinical Diagnostics s.r.o.

Description:

- Used Antigen: combination of selected parts of the specific antigens of SARS-CoV-2 (NCP, RBD, Spike S2, E, ACE2, PLPro protein) and antigens for exclusion cross-reactivity with other endemic coronaviruses (MERS-CoV, SARS-CoV, HCoV 229E Np, HCoV NL63 Np).
- Recombinant and highly purified antigens are applied in the form of microdots (spots) in triplets to a nitrocellulose membrane in a microtiter well format.
- 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 96 tests.
- Short incubation periods, total assay time: approximately 1.5 h.
- Each individual test includes control spots, which serves to check functionality and sensitivity of the sets, and also the spots for checking the presence of the conjugate.
- Positive controls included enabling validation of the tests.
- For quantitative evaluation the wells contain calibration spots.
- All reagents supplied are ready to use.
- The kit may be used sequentially for smaller batches of samples (reagents are provided in sufficient quantities).
- Evaluation using Microblot-Array reader and the appropriate software.

Applications:
Laboratory test for the detection of SARS-CoV-2, confirmatory test to ELISA.

Brief assay procedure:

1. Dilute samples serum/plasma (1:51).
2. Pipette diluted samples.
3. Incubate at room temperature for 30 min.
4. Wash 3 times for 5 min.
5. Add Conjugate.
6. Incubate at room temperature for 30 min.
7. Wash 3 times for 5 min.
8. Add Substrate (BCIP/NPT).
9. Incubate at room temperature for 15 min.
10. Wash 2 times for 5 min in distilled water.
11. Dry and evaluate of test.