

Figure 1 : COVI5GDIV-24 strip structure

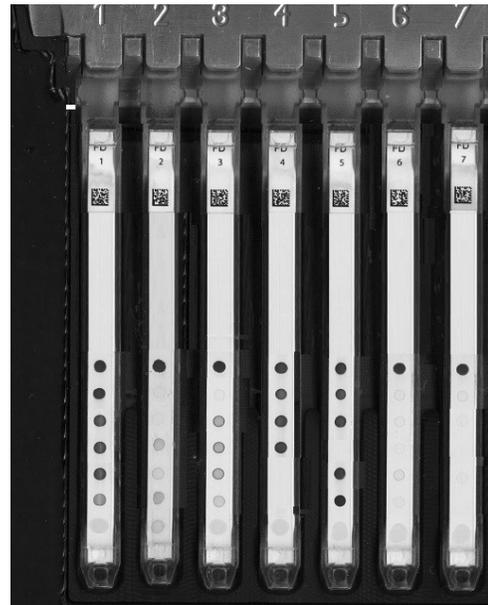


Figure 2 : Example of results on COVI5GDIV-24 strips

The **COVIDOT 5 IgG** kit is designed to be used on the **BlueDiver Instrument** platform. Results are obtained in **1 hour only** and can be interpreted automatically, thanks to **Dr DOT software**.

The **COVIDOT 5 IgG** kit uses the same automated test protocol and ready-to-use reagent cartridges as other kits of D-tek's portfolio, and can be processed **in combination with other strips references, in the same run, on the BlueDiver Instrument**.



The **COVIDOT 5 IgG kit** is intended to be used as:

A **routine/confirmation diagnostic test** in clinical laboratories for questionable results on high throughput platforms.

A **research tool** to:

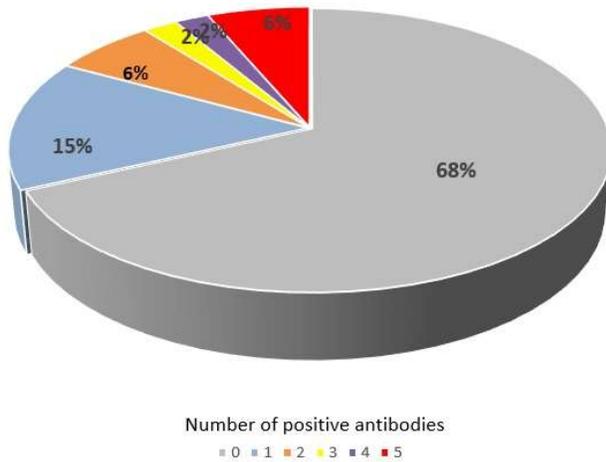
- **Map the antibody response to SARS-CoV-2** infection and analyse the spectrum of antibodies' specificities.
- **Better understand the variability in the outcome of infection** in different individuals.
- **Stratify the risk**, by distinction between binding and neutralizing antibodies.
- Be a **Companion-diagnostic** test for evaluation of the results of vaccine trials, and differential identification of vaccinated vs naturally immunized individuals.

Antibody Kinetics over the infectious phase of COVID-19

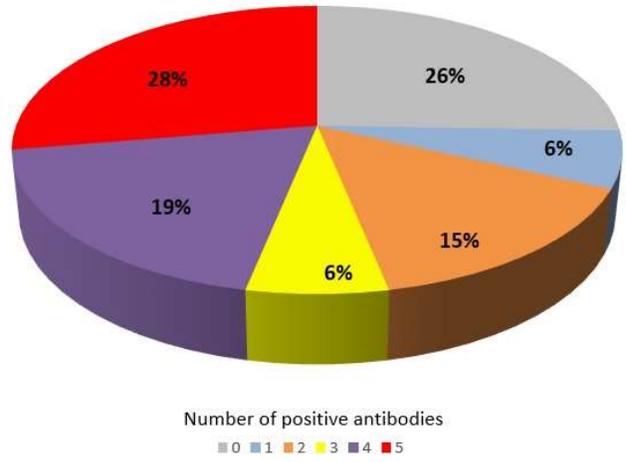
For each PCR-Covid positive patient (n = 47), the number of the different detectable antigen-specific antibodies (from 0 = seronegative, to 5 = full antibody positive spectrum) was counted in samples from different time windows after symptoms onset.

The values were entered into the following diagrams to show the multiplex, fan-shaped seroconversion in the infectious phase of COVID-19.

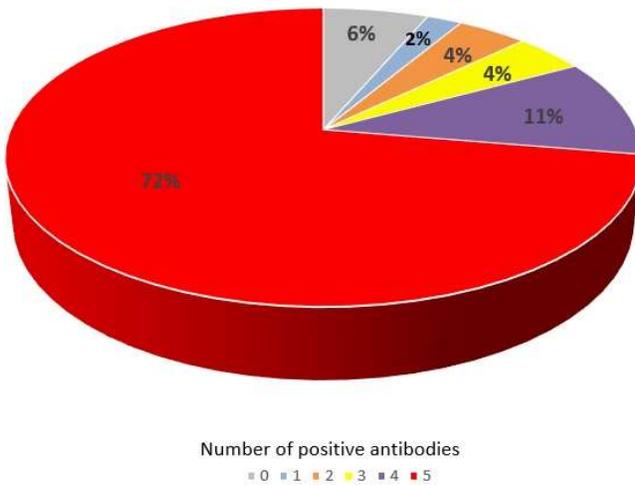
Distribution of antibodies, Time 1 - 6 days (n = 47)



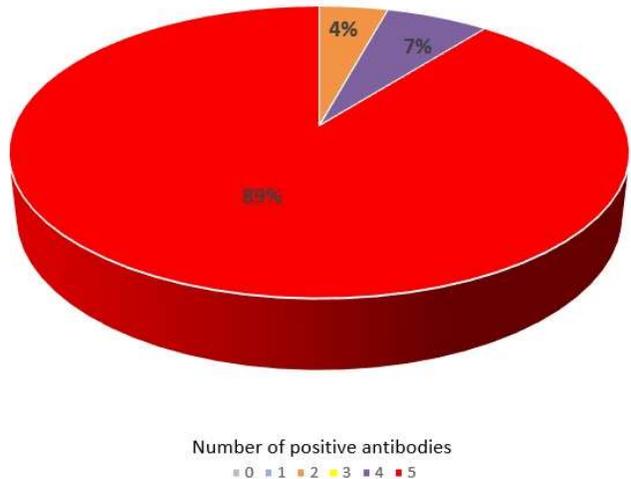
Distribution of antibodies, Time 7 - 12 days (n = 47)



Distribution of antibodies, Time 13 - 18 days (n=47)



Distribution of antibodies, Time 19-24 days (n=47)



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