

Real-time PCR diagnostics of COVID-19



Coronavirus SARS-CoV-2 can cause severe acute respiratory disease COVID-19 (COroNaVirus Disease 2019, ICD-10 codes: B34.2, U07.1/U07.2) in humans. While the majority of cases result in mild symptoms, some of them progress to very serious complications such as pneumonia, acute respiratory distress syndrome, sepsis, and septic shock. Real-time polymerase chain reaction is the fastest and most reliable diagnostic method for COVID-19.

RealBest RNA SARS-CoV-2

An assay kit for the detection of coronavirus SARS-CoV-2 RNA by real-time RT-PCR

- The kit contains reagents for 96 tests, including control samples
- Ready-to-use lyophilized master mix for RT-PCR
- Separate reverse transcription step is not required
- Compatible block-type PCR cyclers: CFX96 (Bio-Rad, USA), DTprime (DNATechnology, Russia) and other with similar technical characteristics
- Storage temperature is (2–8) °C. Transportation at the temperature up to 26 °C for no more than 10 days is acceptable

RealBest technology for SARS-CoV-2 RNA detection



Nasopharyngeal and oropharyngeal swabs



C-8885 Transport solution/C-8867 Transport solution (M)



Sample preparation

Manual mode C-8847/C-8848 «RealBest Sorbitus», C-8896 «RealBest extraction 100»
Automatic mode C-8847/C-8848 «RealBest Sorbitus», C-8883 «RealBest UniMag»



Amplification

High throughput capacity due to ready-to-use master mix and strip format of the PCR tubes



Results

Automatic data analysis and interpretation

C-8885 CE	Transport solution	200 tubes, 1 ml in each tube
C-8867 CE	Transport solution (M)	100 tubes, 2 ml in each tube
C-8847 C-8848 CE	RealBest Sorbitus	96 tests (4x24) 96 tests (1x96)
C-8896 CE	RealBest extraction 100	48 tests (8x6)
C-8883 CE	RealBest UniMag	96 tests (4x24)
D-5580 CE	RealBest RNA SARS-CoV-2	96 tests

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