

# abTes COVID-19, Real Time PCR Kit

## DESCRIPTION

COVID-19 is a single-stranded, positive-sense RNA virus that caused a nationwide outbreak of serious respiratory problems across the world. This RNA virus is capable of person-to-person transmission, spreading very rapidly and affecting almost every country. It is genetically highly related to SARS and MERS coronaviruses.

Together with our partners, AITbiotech, we are participating in the global fight against COVID-19 providing reliable Real-Time PCR kits for detection of nCoV-2019 virus in clinical samples.

Kit is CE-IVD certified and is among WHO recommended kits.

**Sensitivity:** 2.2 copies/µl or 11 copies/rxn

Validated sample types (as recommended by CDC):

- Nasopharyngeal wash/aspirate or nasal aspirate
- Nasopharyngeal & oropharyngeal swabs
- Bronchoalveolar lavage
- Tracheal aspirate
- Sputum
- Serum

Validated Real Time PCR instruments:

- Bio-Rad CFX96TM Real-Time PCR Detection System
- Applied Biosystems 7500/7500 FAST Real-Time PCR Systems

The abTES COVID-19 qPCR I Kit is a qualitative real-time polymerase chain reaction (qPCR) kit which enables simultaneous detection of two COVID-19- specific signature regions from its non-structure polypeptide (orf1a) in a single reaction. It also includes detection of human housekeeping gene, GAPDH, as an Internal Control (IC) to identify possible PCR inhibitions from sample processing.

The kit contains all the necessary PCR reagents for rapid, sensitive, and specific detection using target-specific primers and double-labelled hydrolysis probes. This kit has been validated on samples extracted from sputum, nasopharyngeal and throat swabs.



## CAT. NUMBER

300142

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