

## Datasheet

### Coronavirus (SARS-CoV-2) PCR Detection Kit

Product Name	Coronavirus (SARS-CoV-2) PCR Detection Kit
Catalogue Number	BSV-qPCR-05
IVD or RUO	RUO
CE Marked	No
Size	100 reactions

#### Description:

The SARS-CoV-2 Coronavirus PCR-Detection Kit is used for in vitro detection of SARS-CoV-2 in respiratory specimens using Real-Time (RT-PCR). The coronavirus SARS-CoV-2 was announced as the etiological agent of cases of ongoing pneumonia outbreak in Wuhan City. The Coronavirus Detection Kit allows efficient cDNA synthesis and RT-PCR in a single tube. This kit includes a qPCR master mix that contains all the reagents supplied in a 2X concentration to perform RT-PCR. A separate Reverse Transcription mix that comprises a balanced mixture of both RTase (Reverse Transcriptase) and RNase Inhibitor is provided. In addition, the kit contains one set of primers and fluorescent probes to differentiate between SARS-CoV-2 and SARS-CoV (or bat SARS related CoV). The probes are read in different channels. Coronavirus SARS-CoV-2 RNA targets are amplified and detected in the FAM channel, Coronavirus SARS-CoV-2, SARS-CoV (or bat SARS related CoV) RNA targets are amplified and detected in the HEX, VIC or JOE channel (depending on the equipment used). This kit can be used to detect SARS-CoV-2 in respiratory specimens such as sputum, nasopharyngeal, oropharyngeal aspirates, washes or swabs and tracheal aspirates. We offer the PCR Detection Kit to facilitate research on Coronavirus and improve patient treatment.

#### Product Details:

##### Features and Benefits:

- Inclusivity: SARS like coronavirus and specific detection of SARS-CoV-2
- Rapid, reliable amplification and detection
- Includes positive and negative control
- Dual Colour Multiplex Assay Format

**Intended Use:** This product is an ideal tool to detect SARS-CoV-2 by RT-PCR method.

**Storage:** Store at -20°C

**Shipping:** Coronavirus (SARS-CoV-2) PCR Detection Kit (100 reactions) is shipped on gel pack.

**Regulatory/ Restrictions:** For research use only. Not for use in Humans.

### **Materials Supplied**

1. 2X qPCR Master Mix
2. Reverse Transcription Mix
3. PCR Primer/ Probe set
4. Rehydration Buffer
5. COVID-19 Positive control (PTC)
6. Non-Template Negative Control (NTC)