

SOLIScript® SARS-CoV-2 RT-qPCR Multiplex Assay Kit (IVD)

NEW!

For sensitive and reliable detection of SARS-CoV-2 by one-step RT-qPCR



The SOLIScript® SARS-CoV-2 RT-qPCR Multiplex Assay Kit is an in vitro qualitative diagnostic test intended for the detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) genetic material in biological samples obtained from the upper respiratory tract (nasopharyngeal swabs).

The SOLIScript® SARS-CoV-2 RT-qPCR Multiplex Assay Kit is designed for simultaneous detection of three distinct regions in SARS-CoV-2 genome: Nucleocapsid gene (N), Envelope gene (E) and RNA-dependent RNA polymerase gene (RdRP), as well as human RNase P transcript (RPP30).

Highly specific and sensitive assay design enables accurate detection of all circulating SARS-CoV-2 Variants of Concern (VOC) and Variants of Interest (VOI), including Delta (B.1.617.2) and Omicron (BA.1 and BA.2).

Read more under product description.



Ordering

Choose Product Size

100 rxn | 100 x 20 µl rxn

400 rxn | 400 x 20 µl rxn

REQUEST FOR BULK SIZE

— Reagents Provided

Item	Pcs.	Vial size
Enzyme Mix 1	2	200 rxn 880 µl
Enzyme Mix 2	1	400 rxn 220 µl
Primer/Probe Mix	1	400 rxn 440 µl
Positive control	1	320 µl
Nuclease-free Water	2	1.5 ml

Description

SOLIScript SARS-CoV-2 RT-qPCR Multiplex Assay Kit is an *in vitro* qualitative diagnostic test for multiplex detection of three distinct regions of SARS-CoV-2 genome (N, E, RdRP) along with an internal control (human Rnase P transcript) from nasopharyngeal swab samples.

Excellent sensitivity and precision (LoD of 10 copies per reaction).

Clinical sample testing presented 100% concordance when compared to validated reference assay (45/45 positive and 24/24 negative).

No cross-reactivity with SARS-CoV-2 near-neighbour species/strains and other respiratory pathogens.

Accurate detection of all circulating SARS-CoV-2 Variants of Concern (VOC) and Variants of Interest (VOI) including Delta (B.1.617.2) and Omicron (BA.1 and BA.2).

Fast turnaround time after RNA extraction: BioRad CFX96 one-step RT-qPCR test results in one hour.

No background amplification from genomic DNA by use of a RNase P assay detecting exclusively mRNA transcripts.

The kit is intended for use exclusively by qualified and trained professionals in a diagnostic laboratory with the appropriate equipment and safety standards.

Properties

Sample type: RNA

Product format: Reagent kit with primers and probes for SARS-CoV-2 detection

Detection type: Probe-based

Reference dye: not included

Regulatory status: IVD

Compatible real-time instruments: BioRad CFX96, ABI 7500, QS5, Roche LC480, Rotor-Gene Q.

Reagents

40x One-step SOLIScript® CoV Mix with SOLIScript® Reverse Transcriptase and RiboGrip™ RNase Inhibitor

5x One-step Probe CoV Mix with HOT FIREPol® DNA polymerase, reaction buffer, dNTPs, 15 mM MgCl₂ (1x qPCR solution - 3 mM MgCl₂)

20x SARS-CoV-2 Primer/Probe Mix (N/E/RdRP/RP) designed for SARS-CoV-2 regions in N (FAM channel), E (VIC/HEX/JOE channel), RdRP (Cal Red 610/ROX/Texas Red channel) genes, as well as human RNase P mRNA transcripts (Quasar 670/Cy5 channel)

SARS-CoV-2 positive control (N/E/RdRP)

Water, nuclease free

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