



SOLIS BIODYNE OÜ

A: Teaduspargi 9, 50411 Tartu, Estonia

E: info@solisbiodyne.com

T: +372 7409 960

F: +372 7402 079

SOLIScript® SARS-CoV-2 RT-qPCR Multiplex Assay Kit

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, Cy5 channel).

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

Description

Detection of SARS-CoV-2 coronavirus from nasopharyngeal samples. The Assay Kit targets SARS-CoV-2 N, E and RdRP genes and the endogenous human RNase P gene by real-time reverse transcription (RT-qPCR).

Format

100 rxn / 400 rxn

Technology

real-time RT-PCR

Reference

Cat. 08-85-00100

Cat. 08-85-00400

For *in vitro* diagnostic use.

solisbiodyne.com



SOLIScript® SARS-CoV-2 RT-qPCR Multiplex Assay Kit

Features

- **Reliable result** with multiplex detection of highly conserved, non-overlapping regions of the SARS-CoV-2 N, E, and RdRP genes
- **Includes human Rnase P** as a control to confirm sample integrity, RNA and PCR amplification
- **No background amplification** from genomic DNA by use of a Rnase P assay detecting exclusively mRNA transcripts
- **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, BA.2, BA.4, BA.5)
- **Fast turnaround time after RNA extraction:** BioRad CFX96 one-step RT-qPCR test results in one hour.
- Compatible with BioRad CFX96, ABI 7500, QS5, Roche LC480, Rotor-Gene Q.

Ordering information

Product label	Main components	CAT. NO. 08-85-00100 100 rxn	CAT. NO. 08-85-00400 400 rxn
Enzyme Mix 1	HOT FIREPo [®] DNA polymerase, reaction buffer, dNTPs	1 x 440 µL	2 x 880 µL
Enzyme Mix 2	SOLIScript [®] Reverse Transcriptase, RiboGrip [™] RNase Inhibitor	1 x 55 µL	1 x 220 µL
Primer/Probe Mix	Primers and fluorescently labelled probes for SARS-CoV-2 regions in N (FAM), E (HEX), RdRP (ROX) genes, human RNase P mRNA (Cy5)	1 x 110 µL	1 x 440 µL
Positive Control	dsDNA Positive Control containing targets specific to the SARS-CoV-2 genomic regions N, E and RdRP	1 x 80 µL	1 x 320 µL
Nuclease-free Water	RNase/DNase free PCR grade water	1 x 1.25 mL	2 x 1.50 mL

Your high - performance
PCR partner for stability,
customization and scale

About Solis BioDyne

- Original manufacturing since 1995
- Reliable and long-term partnership
- All kit components from one supplier
- ISO 13485 certified Quality Management System
- Custom formats (bulk and prealiquoted)
- Quick service and delivery

For in vitro diagnostic use.

FL-08-85-V2



For further details and ordering please contact info@solisbiodyne.com or call +372 740 9960