

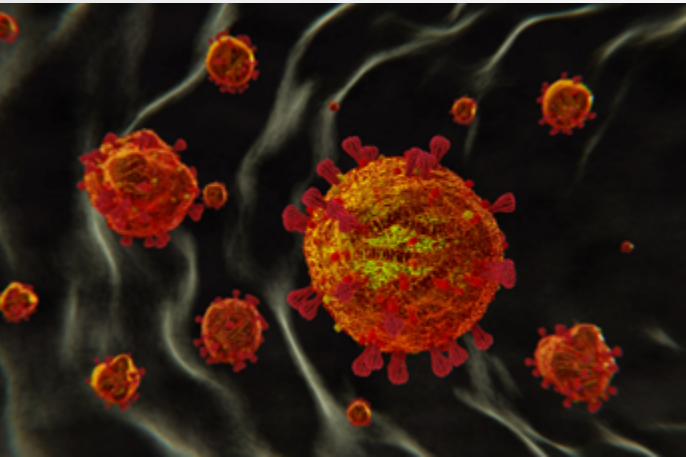


GeneProof[®]



NEW PRODUCT,
NEW PACKAGING

GeneProof SARS-CoV-2 PCR Kit



TRIPLE TARGET DETECTION

- Three independent targets in one tube
- Avoids false negative results
- Targets: RdRp gene, E gene, N gene (design recommended by WHO)



UNIQUE INTERNAL CONTROL CONSTRUCTION

- Internal control imitates natural virus particle
- Control of the whole diagnostic process including viral nucleoprotein lysis, RNA extraction, reverse transcription and PCR amplification
- Enables full control of any non-isolation sample pretreatment
- IC is included in the PCR kit

SINGLE TUBE READY-TO-USE MASTER MIX

- Master Mix contains all components for PCR amplification
- No additional pipetting of PCR reagents necessary
- Significantly simplifies laboratory workflow

CONTAMINATION PREVENTION

- Master Mix contains Uracil-DNA glycosylase (UNG) and dUTPs eliminating contamination with amplification products.

MADE IN CZECH REPUBLIC

- Developed and manufactured in the Czech Republic



COMPATIBLE WITH A WIDE RANGE OF REAL-TIME PCR DEVICES



CERTIFIED DIAGNOSTIC TEST



GeneProof SARS-CoV-2 PCR Kit

- + GeneProof Adenovirus PCR Kit
- + GeneProof Aspergillus PCR Kit
- + GeneProof Bordetella pertussis/parapertussis PCR Kit
- + GeneProof Enterovirus PCR Kit
- + GeneProof Chlamydia pneumoniae PCR Kit
- + GeneProof Legionella pneumophila PCR Kit
- + GeneProof Flu Multiplex PCR Kit
- + GeneProof Mycoplasma pneumoniae PCR Kit
- + GeneProof Mycobacterium tuberculosis PCR Kit
- + GeneProof SARS-CoV-2 PCR Kit

TECHNOLOGY	real-time PCR
TYPE OF ANALYSIS	qualitative
TARGET SEQUENCE	specific region in <i>RdRp</i> gene, <i>E</i> gene and <i>N</i> gene
ANALYTICAL SPECIFICITY	SARS-CoV-2, 100 %
ANALYTICAL SENSITIVITY (LOD WITH 95% PROBABILITY)	reaches up to 65.44 cp/μl using UNI PCR program (material quantified on standard 1 (SARS CoV (Frankfurt 2003, EVAg, Corman)) reaches up to 23.89 cp/μl using COVID SCREEN program (material quantified on standard 1 (SARS CoV (Frankfurt 2003, EVAg, Corman)) reaches up to 1.77 cp/μl using UNI PCR program on synthetic positive control
EXTRACTION/INHIBITION CONTROL	PCR inhibition and RNA extraction efficiency control
VALIDATED SPECIMEN	swab, transport medium
STORAGE	-20 ± 5 °C
VALIDATED EXTRACTION METHODS	croBEE NA16 Nucleic Acid Extraction System GeneProof PathogenFree RNA Isolation Kit GeneProof Universal Nucleic Acid Extraction Kit
INSTRUMENTS	croBEE Real-Time PCR System Applied Biosystems 7500 Real-Time PCR System CFX96™/ Dx Real-Time PCR Detection System LineGene 9600 Plus SLAN® Real-Time PCR System
REQUIRED DETECTION CHANNELS	FAM, HEX, Cy5
EXTERNAL QUALITY ASSESSMENT	tested by Instand e.V. External Quality Assessment Panels - results at www.geneproof.com
REGULATORY STATUS	CE IVD

PRODUCT NAME	TECHNOLOGY	ORDER NO.
GeneProof SARS-CoV-2 PCR Kit	real-time PCR	100 REACTIONS COV2/GP/100