



SENSITIVE REAL-TIME RT-PCR DETECTION OF SARS-COV-2 AUTHORIZED UNDER FDA EMERGENCY USE AUTHORIZATION


To address growing supply constraints worldwide, PerkinElmer has expanded the production capacity of its extraction and RT-PCR tests at its global facilities and has the capability to ship millions of these solutions to its customers.


PerkinElmer New Coronavirus Nucleic Acid Detection Kit authorized under FDA EUA

The PerkinElmer New Coronavirus Nucleic Acid Detection Kit is a real-time RT-PCR test intended for the qualitative detection of nucleic acid from SARS-CoV-2 in human oropharyngeal and nasopharyngeal swab samples. Testing is limited to laboratories certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA), 42 U.S.C. §263a, to perform high complexity tests, or by similarly qualified non-U.S. laboratories.

 **Specific:** Detection of SARS-CoV-2 ORF1ab and N genes

 **Sensitive:** Limit of detection of 7.14 to 27.24 copies/mL

 **Reliable:** Performance verified with case studies from outbreak's point of origin

 **Automated:** Options available to meet a broad range of sample throughput

Available Through the IRR

The PerkinElmer® New Coronavirus Nucleic Acid Detection kit is available through the International Reagent Resource (IRR) which provides COVID-19 diagnostic supplies to public health laboratories (PHLs) in all 50 US states and some territories to detect and diagnose COVID-19 and other diseases.

Sensitive & Specific Nucleic Acid-based Detection of COVID-19 ORF1ab and N Genes

The PerkinElmer New Coronavirus Nucleic Acid Detection kit has a limit of detection 20 copies/mL for the SARS-CoV-2 ORF1ab and N genes. It does not show cross reactivity with common respiratory tract pathogens and blood stream pathogens including:

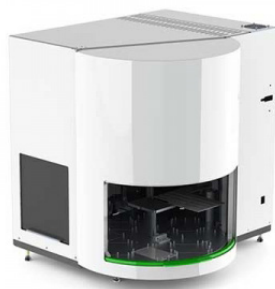
- Human coronavirus (229E, OC43)
- SARS coronavirus (plasmid)
- MERS coronavirus (plasmid)
- Adenovirus (2, 3, 31, 37, 51 types)
- Enterovirus (A, D)
- Rhinovirus (A, B)
- Influenza A virus
- Influenza B virus
- Influenza A H1N1 virus (2009)
- Seasonal influenza virus (H1N1)
- Seasonal influenza virus (H3N2)
- Respiratory syncytial virus
- Parainfluenza virus
- Measles virus
- Mumps virus
- Human cytomegalovirus
- Chlamydia pneumoniae
- Mycoplasma pneumoniae
- Haemophilus influenzae
- Staphylococcus aureus
- Streptococcus pyogenes
- Streptococcus saliva
- Hepatitis A virus
- Hepatitis B virus
- Hepatitis C virus
- EB virus
- Herpes simplex virus type I
- Herpes simplex virus type II
- Human immunodeficiency virus type I (HIV-1)
- Human immunodeficiency virus type II (HIV-2)

The PerkinElmer New Coronavirus Nucleic Acid Detection kit includes positive, negative, and internal controls to prevent the reporting of incorrect results.

Flexible Sample Types Can Be Used to Detect SARS-CoV-2

This assay can be used to identify SARS-CoV-2 ORF1ab and N genes in the following sample types:

- Oropharyngeal swab
- Nasopharyngeal swab



Rapid, High Quality RNA Extraction of SARS-CoV-2

PerkinElmer's chemagic™ Viral DNA/ RNA 300 kit H96 and chemagic™ 360 instrument deliver fast, high quality RNA extraction from oropharyngeal and nasopharyngeal swabs. They are authorized to prepare specimens for use with the PerkinElmer New Coronavirus Nucleic Acid Detection kit EUA.

Contact your PerkinElmer representative to accelerate your SARS-CoV-2 testing

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For more information, visit www.perkinelmer-appliedgenomics.com

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