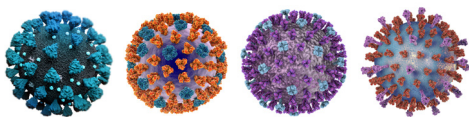


SIMULTANEOUS DETECTION OF SARS-COV-2, INFLUENZA A, INFLUENZA B, & RSV VIRUSES

PKamp™ Respiratory SARS-CoV-2 RT-PCR Panel Assay

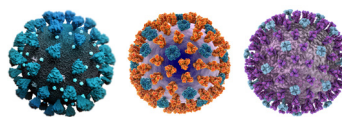
Delivering Relevant, Accurate, & Actionable Results

The PKamp™ Respiratory SARS-CoV-2 RT-PCR Panel assay is a real-time RT-PCR multiplexed test intended for the:



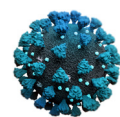
Simultaneous qualitative detection and differentiation of SARS-CoV-2, influenza A, influenza B, and respiratory syncytial virus (RSV)

or



Simultaneous qualitative detection and differentiation of SARS-CoV-2, influenza A, and influenza B

or



Qualitative detection of SARS-CoV-2 only

The PKamp™ Respiratory SARS-CoV-2 RT-PCR Panel assay is CE-IVD marked and intended for in vitro diagnostic use in Europe.

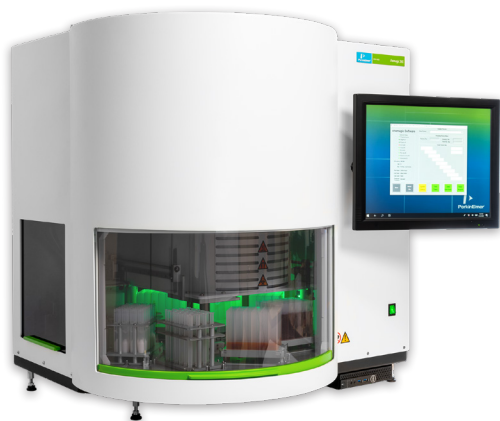
- **Best-in-Class:** Building off the most sensitive COVID-19 test*
- **Efficient Processing:** Resource conservation by allowing simultaneous detection of SARS-CoV-2, influenza A, influenza B, and RSV
- **Automation Flexibility:** Assay coupled with modular, scalable extraction and liquid handling options suitable to process a broad range of samples every day (a few 100 to over 100,000)

* FDA Reference Panel Comparative Data. Oct. 2, 2020.

Products may not be licensed in accordance with the laws in all countries, such as the United States and Canada. Please check with your local representative for availability.

Based Off of the SARS-CoV-2 Assay with the Lowest LOD

As can be seen in Table 2 on the SARS-CoV-2 Reference Panel Comparative Data reported by the FDA website, the PerkinElmer New Coronavirus Nucleic Acid Detection Kit, which this multiplex assay is based on, has the lowest LOD of the COVID-19 assays tested.



Rapid, High Quality RNA Extraction of Viral RNA for Respiratory RT-PCR Testing

PerkinElmer's chemagic™ Viral DNA/ RNA 300 kit H96 and chemagic™ 360 instrument deliver fast, high quality RNA extraction from oropharyngeal, nasopharyngeal, and anterior nasal swabs. These samples can be used to prepare specimens for use with the PKamp™ Respiratory SARS-CoV-2 RT-PCR Panel assay.

COVID-19 Respiratory Panel RT-PCR Assay Primers

The oligonucleotide primers and probes for detection of SARS-CoV-2 were selected from the regions of the virus nucleocapsid (N) gene and ORF1ab gene. The primers and probes for detection of influenza A and RSV were selected from the regions of matrix protein. The primers and probes for detection of influenza B were selected from the regions of nuclear export protein (NEP) and nonstructural protein 1 (NS1) genes. An additional primer/probe set to detect the endogenous control gene RNase P is also included in the test. It is used for monitoring sample collection and extraction efficiency.

Probes for the amplicons of SARS-CoV-2, Influenza A, Influenza B, RSV and RNase P are labeled with FAM, ROX, Cy5, Cy5.5 and HEX/VIC fluorescent dyes respectively to generate target-specific signals.

The assay also uses a dUTP/UNG carryover prevention system to avoid contamination of PCR products and subsequent false positive results.

Ask How You Can Start Multiplexing Your Testing This Flu Season.

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For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

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