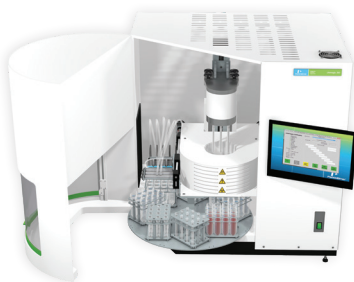


COMPLETE, AUTOMATED SARS-COV-2 PCR DETECTION WORKFLOWS

RNA ISOLATION



chemagic™ Viral DNA/RNA 300 Kit H96
+ chemagic™ 360 instrument

PCR SETUP



JANUS® G3 workstation

qPCR

qPCR instrument

PerkinElmer enables labs to maintain sample integrity and avoid cross contamination of SARS-CoV-2 PCR samples by providing validated, modular and scalable, automated workflow solutions. These solutions provide high quality nucleic acid extraction, automation with flexible throughput, and full traceability.

Protect Your Workforce by Minimizing the Risk of Laboratory-acquired COVID-19 Infection During High Volume Processing

Laboratories need to take appropriate measures to contain potentially infectious materials and prevent secondary infections. The first step of a PCR-based virus detection workflow, nucleic acid isolation, has the highest risk of exposing laboratory employees to pathogens. Reducing manual contact for this step is essential to reduce the risk of laboratory-acquired infection during processing.

PCR Assays for Coronavirus (SARS-CoV-2) Detection

The following workflow can be used with the PerkinElmer® New Coronavirus Nucleic Acid Detection kit, or any other 2019-nCoV PCR assay.

Nucleic Acid Extraction Expertise

Nucleic acid quality is of major importance when conducting molecular analyses since factors causing sample degradation and the presence of impurities and enzymatic inhibitors can have a significant negative impact on the quality of results. PerkinElmer's chemagen™ nucleic acid extraction technology addresses these challenges while offering high recovery of clean nucleic acids suitable for demanding downstream applications.

The PerkinElmer chemagic™ Viral DNA/ RNA 300 Kit H96 (cat # CMG-1033) and either the chemagic™ 360 instrument or the chemagic™ Prime instrument are recommended for fast, high quality RNA extraction for use in PCR based detection of SARS-CoV-2.

Nucleic Acid Isolation Setup and PCR Assay Setup

To manage high-throughput demands while reducing human errors, both the JANUS® G3 workstation and the chemagic™ Prime instrument are optimized to rapidly and accurately setup your 2019-nCoV PCR assays. Standardized and tested automated SARS-CoV-2 PCR set-up methods deliver plug-and-play automation allowing you to:

- Standardize your nucleic acid isolation and PCR assay set-up
- Decrease pipetting errors
- Decrease lab staff workload
- Reduce hands-on-time
- Deliver full traceability of reagents, samples, volumes, and pipetting steps

Contact your PerkinElmer sales rep to obtain high quality nucleic acids and automate your SARS-CoV-2 PCR workflows.

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