Infectious Disease | Diagnostics and Clinical Research

The *artus*®
SARS-CoV-2 Prep&Amp UM Kit
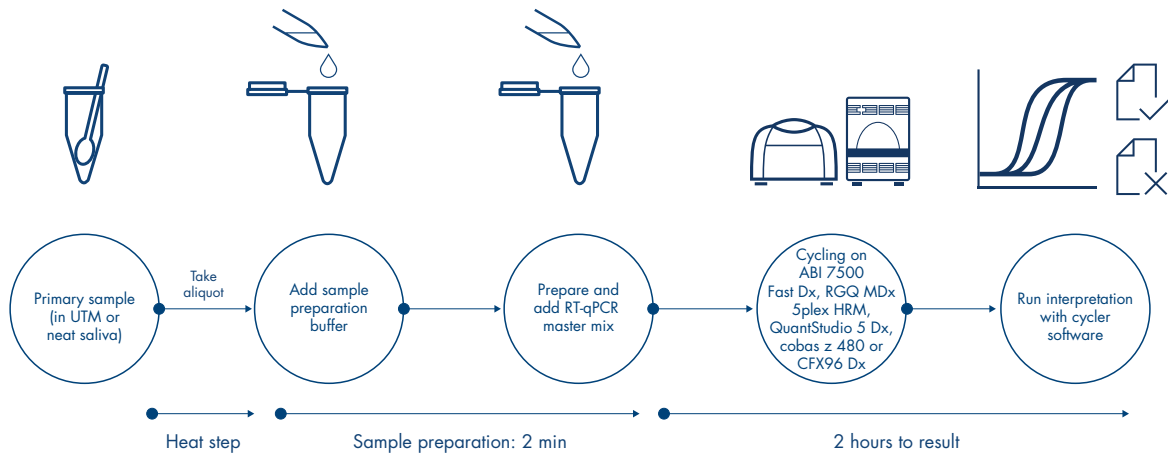
Simple workflow for quick turn-around time

COVID-19 caused by SARS-CoV-2 coronavirus remains an important topic for labs worldwide. The need for testing to identify the source, monitor and track the disease and ultimately develop guidance for actions to lessen its impact will continue. To meet this demand, laboratories need an approach that enables rapid and high-frequency detection and seamlessly integrates into existing automated workflows with standard lab equipment at all throughput needs.

The *artus* SARS-CoV-2 Prep&Amp UM Kit combines an innovative liquid-based sample preparation step completed in only two minutes with a one-step real-time RT-PCR in a single end-to-end procedure to deliver results in two hours.

- Liquid-based sample preparation
- Short, rapid workflow
- Complete sample-to-result kit
- Flexible workflow options
- To be used with transport media and neat saliva

Fast and simplified workflow for SARS-CoV-2 detection

The kit is optimized for ultra-fast sample preparation and reliable and sensitive real-time PCR detection of SARS-CoV-2 from nasal, neat saliva, oro- and nasopharyngeal swabs. The simplified workflow takes two hours from start to finish. It includes a heat-treatment step and only three pipetting steps that can be conducted directly in the PCR vessels, decreasing hands-on time and plastic use.
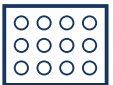

Primary sample (in UTM or neat saliva) → Take aliquot → Add sample preparation buffer → Prepare and add RT-qPCR master mix → Cycling on ABI 7500 Fast Dx, RGQ MDx 5plex HRM, QuantStudio 5 Dx, cobas z 480 or CFX96 Dx → Run interpretation with cycler software

Heat step | Sample preparation: 2 min | 2 hours to result

High performance
Comparable to conventional PCR-based COVID-19 testing methods (i.e. sample extraction followed by real-time PCR test)

Fast and reliable
Liquid based sample processing releases SARS-CoV-2 RNA in 2 minutes; reliably detect genome in 2 hours

High process safety and confident insights
Positive control included in the kit and internal control for detecting inhibition

The *artus* SARS-CoV-2 Prep&Amp UM Kit is intended for in vitro diagnostic use.

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