

CDC COVID-19 RUO RT-qPCR Protocol

Modified Quickstart Guide

| | | | | | Supporting Equipment and Instruments |
|--|---|------------|--|---|---|
| Sample Collection | DNA/RNA Shield Collection Tube w/ Swab Zymo Research VWR# 76020-428 or 76020-432 | OR | Sample collection device of your choosing; see vwr.com for currently available options AND DNA/RNA Shield™ Reagent Zymo Research VWR# 76020-100 | | VWR® 12-Channel Electronic Pipettor VWR# 10827-938 |
| Nucleic Acid Extraction & Purification | Quick-DNA/RNA Viral MagBead Kit Zymo Research VWR# 76358-896 | OR | Mag-Bind® Viral DNA/RNA 96 Kit Omega Biotek VWR# 101414-562 | AND AccuPlex™ SARS-CoV-2 Reference Material Kit SeraCare VWR# MSPP-0505-0126 | VWR® PCR Workstation Pro with HEPA VWR# 76289-386 Beckman Coulter Biomek® 4000 VWR# 10809-032 |
| RT-PCR Assays | 2019-nCoV CDC-qualified Probe and Primer Kits for SARS-CoV-2 Biosearch Technologies VWR# 76411-164 | AND | qScript™ XLT One-Step RT-qPCR ToughMix®, Low ROX Quantabio VWR# 89236-676* OR UltraPlex 1-Step ToughMix® (4X) Quantabio VWR# 10804-954* | | Quantabio Q qPCR Instrument VWR# 76175-392 Agilent AriaMX & FAM Filter VWR# 76193-704 VWR# 76193-706 Analytik Jena q-TOWER³ 84 & FAM Filter VWR# 76196-700 VWR# 10066-146 |

*See vwr.com to ensure ROX levels are compatible with your instrument.

Please refer to individual product manuals for detailed protocols.

Additional Supporting Products

| Supplier | Description | Cat. No. |
|-----------|--|---------------|
| VWR | VWR Life Science Nucleaseliminator | 97064-070 |
| VWR | Water, Molecular Biology Grade | VWRL0201-1000 |
| VWR | VWR 96-Well PCR Plates for ABI® Fast 7500 | 89218-296 |
| Quantabio | 0.1 mL 4-Strip Tubes & Caps for Quantabio Q | 76202-252 |
| VWR | VWR 96-Well PCR Plates for Agilent AriaMX | 82006-650 |
| VWR | VWR 384-Well PCR Plates for Analytik Jena qTOWER³ 84 | 82006-678 |

For more product options and the most current product availability information please visit vwr.com/cms/covid_19

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