

Total Solution for **SARS-CoV-2 qRT-PCR** Multigene Detection

STEP 1



Automated Purification System
KingFisher Apex / Flex



Isolation Kit (Manual or Automated)

STEP 2

STEP 4



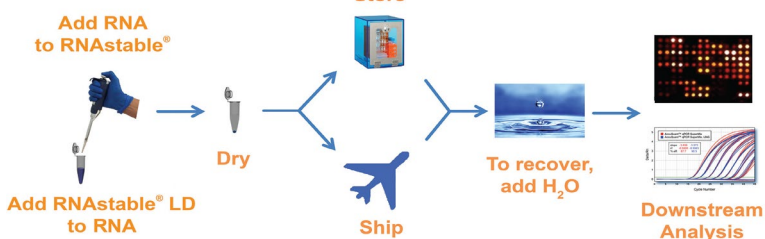
AriaMx Real-Time PCR System



qRT-PCR Brilliant III
Probe Master Mix

SARS-CoV-2 Reference
Primers-Probes

Dry Format



Liquid Format

RNastable allows you to store your RNA for up to **12 years*** at room temperature

STEP 3

Liquid Handling System



ThermoScientific Finnpiquette

ART Barrier Tips

VTM (Sigma – MERCK)

- Hank's Balanced Salt Solution (HBSS), EMEM, BSA, FBS, etc.
- NUNC Cryotube 1.8 mL, Bio-Bottle

MagMAX™ Viral/Pathogen Nucleic Acid Isolation Kit

- High throughput isolation of viral nucleic acid (RNA and DNA) from biofluids and transport media. Can be used with automated isolation of nucleic acid using the KingFisher™ Flex and KingFisher™ Duo Prime instruments

Thermo Scientific™ KingFisher™ Apex Purification System

- Achieve peak performance for purifying DNA, RNA, proteins, or cells, now with even greater flexibility for fast and reproducible results with almost any application. Dual UV lamp for decontamination process to ensure safety.

Thermo Scientific™ KingFisher™ Flex Purification System

- Provides highly versatile and reproducible purification of 24 or 96 samples per run
- Can be used with a variety of reagents, including Dynabeads products or MagMAX nucleic acid extraction kits, enabling scientists to process samples for a variety of applications.

RNastable, Ambient temperature RNA stabilizer

- Preserves RNA at ambient temp. without degradation
- Eliminates the need to ship RNA with dry ice
- Simple protocol and protects total RNA, mRNA & miRNA.
- Avoids sample loss due to freeze/thaw cycles

SARS-CoV-2 Reference Primers-Probes (Sigma)

- 3-4 gene detection using primer and probe

qRT-PCR Detection Assay

- Onestep Brilliant III Ultra-Fast qRT-PCR Probe Master Mix

Agilent AriaMx Real-Time PCR System

- Fully integrated qPCR solution for amplification, detection, and data analysis, combining a novel thermal cycler, an advanced optical system with LED excitation source, and comprehensive data analysis software

Liquid Handling System

- ThermoScientific Finnpiquette F2, Finnpiquette Electronic Pipette Novus
- Single and multi-channel pipette
- Reagent reservoir
- ART Barrier tips



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