

MIRXES

TO KNOW IS TO ACT



Fortitude 3.0 Test Kit

RT-PCR
testing
solution

Your Trusted microRNA Discovery Partner

www.mirxes.com

Fortitude 3.0 Test Kit



Multi-target detection

Detection of SARS-CoV-2 at two gene targets (ORF1ab and N gene).



Fast results

1h 30min turnaround time after RNA extraction.



Reliable performance

High sensitivity and specificity. Zero cross-reactivity with 30 different respiratory tract-associated organisms.



Lab ready

Compatible with current industry-standard RT-PCR instrument & data analysis software without additional installations.



Quality assured

End-to-end process validated.

100% match to 207417 SARS-CoV-2 sequences.

Expected to pick up all variants in current database including B.1.1.7 lineage British variant and B.1.351 lineage South African variant.

**Real-time Reverse
Transcription PCR in
vitro diagnostic kit.**

**Qualitative detection
of RNA specific to
SARS-CoV-2.**

**Specimens: nasopharyngeal/
oropharyngeal swabs,
nasopharyngeal wash/aspirate,
nasal wash/aspirate and anterior/
mid-turbinate nasal swabs.**

Product features

Fluorophore	Analyte	Limit of Detection
FAM	ORF1ab	0.25 GE/ μ L
HEX	N gene	0.25 GE/ μ L
Cy5	Human RNase P	-

Pack size

200 reactions per kit

High throughput

96-well plate format

Workflow recommendations

RNA Extraction

↳ QIAamp Viral RNA Mini Kit

Real-time PCR instrument

↳ Applied Biosystems™ 7500 Fast Real-Time PCR System

↳ QuantStudio™ 5 Real-Time PCR Instrument

↳ Bio-Rad CFX96 Real-Time PCR System

Data analysis

↳ C_t / C_q cut-off

↳ Human RNase P as whole workflow control (swab to RT-qPCR)

MiRXES Fortitude 3.0 Clinical Evaluation

Virus	No. of samples	Comparator				% Agreement (95% CI)	
		Concordant Positive (N)	Discordant Positive (N)	Concordant Negative (N)	Discordant Negative (N)	PPA	NPA
SARS-CoV-2	88	50	0	38	0	100% (91.1% - 100%)	100% (88.6% - 100%)

Evaluated by using

50 positive and 37 negative nasopharyngeal swabs samples

Compared with

an EUA-approved SARS-CoV-2 PCR detection kit

Positive Percent

Positive Percent Agreement: 100% (CI:92.9-100)

Evaluated by using

66 positive and 63 negative nasopharyngeal swabs samples

Regulatory approval

- ✓ CE-IVD Marked
- ✓ Health Sciences Authority (HSA) Provisional Authorization



Co-Developed with:



Experimental Drug Development Centre
Bioinformatics Institute
Diagnostics Development Hub



About MiRXES

Harnessing microRNA discoveries, solving real-world issues, eradicating diseases, and improving lives.

Spun off from Singapore's Agency for Science, Technology and Research (A*STAR) in 2014, MiRXES' microRNA technology platform is reaching across the world and various industries spanning the medical, pharmaceutical, agricultural and veterinary fields to enable the discovery of game-changing biotechnology applications that solve real-world issues and improve lives.

Talk to us

Interested in learning more about our products and services? Our specialists are here to take the time to talk to you. From basic questions to complex inquiries, we're here to help!

Contact

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