

# Respiratory Infections

## FTD SARS-CoV-2 Assay

[siemens-healthineers.com/ftd-sars-cov-2-assay](https://siemens-healthineers.com/ftd-sars-cov-2-assay)



### FTD SARS-CoV-2 Assay\*

The FTD SARS-CoV-2 Assay is a real-time PCR test used to detect the new coronavirus SARS-CoV-2 causing COVID-19. The FTD SARS-CoV-2 Assay uses the same protocol, including PCR cycling profile, as all FTD respiratory assays.

#### Kit description:

- Single-well, dual target assay covering highly conserved regions within ORF1ab and N gene
- Validated specimen types include nasopharyngeal and oropharyngeal swabs
- Robust dual target design for high sensitivity and specificity
- Dual target design reduces inconclusive results and the need for repeat testing
- *in silico* analysis using more than 900 sequences shows 100% detection rate<sup>†</sup>
- Uses the same setup protocol and thermal-cycling profile as for all FTD assays

Assay	Target Region	Detection Channel
SARS-CoV-2	N	FAM
	ORF1ab	FAM
	IC	Cy5



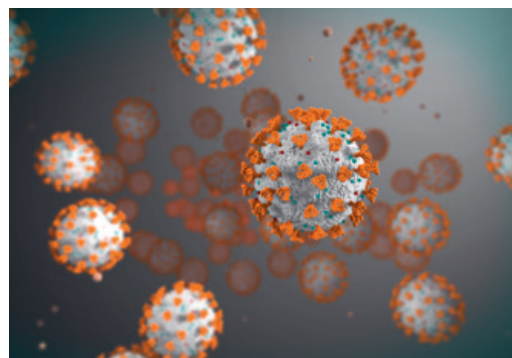
■ FTD SARS-CoV-2 assay target regions

\*CE-IVD labelled for diagnostic use in the EU. For research use only (RUO) in the U.S. Pursuing FDA emergency use authorization (EUA) and WHO emergency use listing (EUL).  
<sup>†</sup>Internal data on file.

# Fast Track Diagnostics multiplex real-time PCR assays

Siemens Healthineers offers a comprehensive solution for the simultaneous detection and identification of common, rare, and emerging respiratory pathogens. The FTD syndromic assays can be used to rule-out other respiratory pathogens in symptomatic individuals:

- **FTD SARS-CoV-2<sup>‡</sup>** for the detection of SARS-CoV-2
- **FTD Respiratory Pathogens 21<sup>‡</sup>** for the detection of 20 viruses and 1 bacterium
- **FTD FLU/HRSV<sup>‡</sup>** for the detection of influenza A, influenza B, and human respiratory syncytial viruses A and B
- **FTD Respiratory Pathogens 21 plus (RUO)<sup>§</sup>** for the identification of 20 viruses and 4 bacteria
- **FTD Respiratory Pathogens 33 (RUO)<sup>§</sup>** for the identification of 21 viruses, 11 bacteria, and 1 fungus
- **FTD MERS-CoV (RUO)<sup>§</sup>** for the identification of MERS coronavirus



## FTD SAR-CoV-2 Diagnostic Performance

Diagnostic sensitivity	100% (91.78-100)
Diagnostic specificity	100% (93.84-100)

*Internal data on file.*

FTD assays all use the same setup protocol and thermal-cycling profile, enabling consolidation of all respiratory testing into batch runs.

This is especially important during outbreaks, when testing for specific respiratory pathogens can be implemented without any disruption to other routine laboratory testing.

## Kit information:

### FTD SARS-CoV-2 Assay

Product numbers	FTD 114 SMN 11416300
Kit size	32 tests/kit
Number of primer/probe mix	1 for detection of SARS-CoV-2 and Internal control
Kit components	Primer/probe mix Enzyme and buffer Internal control (Equine arteritis virus) Positive and negative controls
Validated Extraction method	NucliSENS easyMAG (bioMerieux)
Validated Thermocycler	Applied Biosystems 7500 Real-Time PCR System (Thermo Fisher Scientific)

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

<sup>‡</sup>CE-IVD for diagnostic use in the EU.  
<sup>§</sup>For research use only. Not for use in diagnostic procedures.

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Fast Track Diagnostics Assays