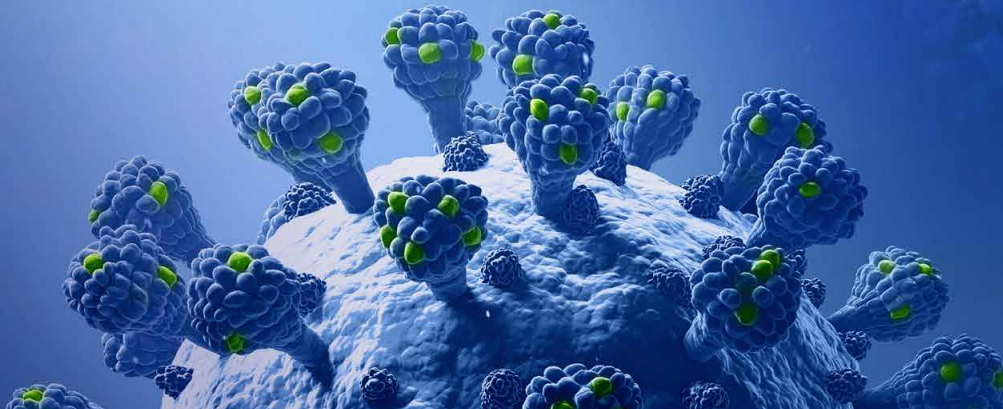


2.0

## Evolved for choice and longevity



### Next-generation TaqMan SARS-CoV-2 2.0 assays support multiple workflows and compensate for emerging mutations

Our Applied Biosystems™ TaqMan® SARS-CoV-2 2.0 assays deliver the same accuracy and reliability that our SARS-CoV-2 assays are known for, while offering the ability to accommodate multiple sample types and the choice to utilize either a standard or fast workflow. The standard workflow includes RNA extraction and traditional sample preparation, and the fast workflow is a fast, direct-to-PCR workflow with no RNA extraction required. You'll also have confidence in your results knowing that our 2.0 assays include enhanced target redundancy to compensate for all SARS-CoV-2 mutations known now and those yet to be discovered in the future.

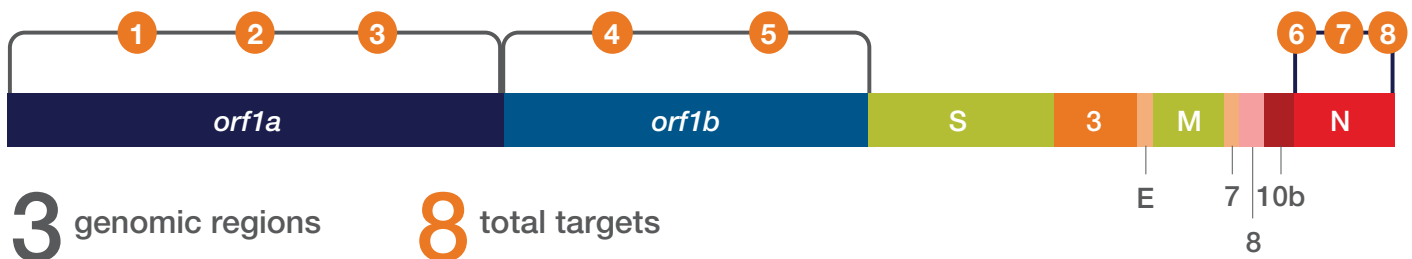
Features of TaqMan SARS-CoV-2 2.0 assays include:

- **Same accuracy and reliability you've grown to trust**—an advanced assay design using multiple targets on *orf1a*, *orf1b*, and N genes compensates for current and emerging SARS-CoV-2 mutations, helping provide continued confidence in results now and into the future
- **Multiple workflow options**—choose from two assays: one utilizes a standard workflow that includes RNA extraction and traditional sample preparation, and the second utilizes a fast, direct-to-PCR workflow with no RNA extraction required
- **Affordable and scalable**—add to your existing SARS-CoV-2 assay menu using your current real-time PCR instrumentation

**Product details for TaqMan 2.0 assays:**

	<b>Applied Biosystems™ TaqMan® SARS-CoV-2 Fast PCR Combo Kit 2.0</b>	<b>Applied Biosystems™ TaqMan® SARS-CoV-2 RNase P Assay 2.0</b>
<b>Description</b>	Fast, direct-to-PCR, raw saliva solution using an evolved assay design to enable widespread, high-frequency testing	An evolved SARS-CoV-2 assay design, with RNase P for human sample confirmation
<b>Assay design</b>	3 genomic regions ( <i>orf1a</i> , <i>orf1b</i> , and N genes) with 8 total targets	
<b>Internal control</b>	RNase P	RNase P
<b>Compatible sample types</b>	Raw saliva collected with: <ul style="list-style-type: none"> <li>• Thermo Scientific™ SpecMAX™ raw saliva collection kit</li> <li>• Leak-proof screw-top tubes</li> <li>• Other conical tubes</li> </ul>	RNA extracted from nasopharyngeal swabs and anterior nasal swabs
<b>Recommended sample preparation</b>	Lysis buffer (Applied Biosystems™ SalivaReady™ Solution, part of the TaqMan SARS-CoV-2 Fast PCR Combo Kit 2.0)	Thermo Scientific™ KingFisher™ Flex Purification System with Applied Biosystems™ MagMAX™ Viral/Pathogen II Nucleic Acid Isolation Kit
<b>Recommended real-time PCR instruments</b>	<ul style="list-style-type: none"> <li>• Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System (96-well, 0.2 mL block)</li> <li>• Applied Biosystems™ QuantStudio™ 7 Flex Real-Time PCR System (384-well block)</li> </ul>	
<b>Turnaround time</b>	~2 hours (including sample prep)	~3 hours (including sample prep)
<b>Recommended software</b>	Applied Biosystems™ QuantStudio™ Design and Analysis Software, RUO Edition 2.5 or higher	

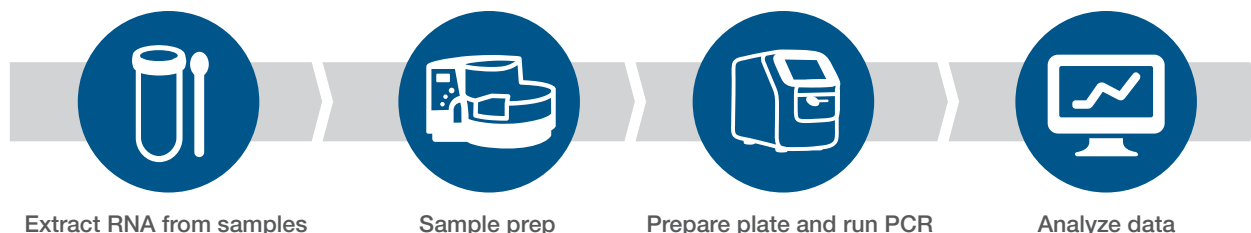
**Our 2.0 assays all utilize an advanced assay design with increased target redundancy to compensate for known and emerging SARS-CoV-2 mutations**



# applied biosystems

## Recommended workflows

The recommended workflow for the TaqMan SARS-CoV-2 RNase P Assay 2.0 provides results in approximately 3 hours.



Extract RNA from samples

Sample prep

Prepare plate and run PCR

Analyze data

The TaqMan SARS-CoV-2 Fast PCR Combo Kit 2.0 utilizes a simplified, direct-to-PCR workflow from raw saliva (no preservatives), providing results in approximately 2 hours.



Receive samples

Sample prep  
(lysis solution)

Bypass  
extraction

Prepare plate  
and run PCR

Analyze data

## Ordering information

Product	Quantity	Cat. No.
<b>TaqMan SARS-CoV-2 Fast PCR Combo Kit 2.0</b>		
TaqMan SARS-CoV-2 Fast PCR Combo Kit 2.0	1,000 reactions	A51607
TaqPath 1-Step Multiplex Master Mix (No ROX)	10 mL	A28523
<b>TaqMan SARS-CoV-2 RNase P Assay 2.0</b>		
TaqMan SARS-CoV-2 with RNase P Assay 2.0	1,000 reactions	A51121
TaqMan SARS-CoV-2 Plus Control	10 x 10 µL	956129
TaqMan SARS-CoV-2 Control Dilution Buffer	10 x 250 µL	A49889
TaqPath 1-Step Multiplex Master Mix (No ROX)	10 mL	A28523

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