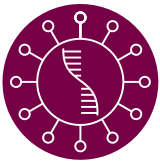




## Bio-Rad SARS-CoV-2 ddPCR Kit



The SARS-CoV-2 ddPCR Kit is a powerful tool in the battle against COVID-19, with sensitivity and precision beyond quantitative PCR (qPCR) assays. The SARS-CoV-2 ddPCR Kit is resistant to inhibitors and uses the absolute quantification of Droplet Digital PCR (ddPCR) to minimize indeterminants and provide clear results, even when analyzing samples with low viral load.

This kit is intended for the detection of nucleic acids from SARS-CoV-2 in various samples suspected of containing the virus.

The SARS-CoV-2 ddPCR Kit contains the 2019-nCoV CDC ddPCR Triplex Probe Assay, One-Step RT-ddPCR Supermix, and SARS-CoV-2 positive and negative standards. The kit is optimized for use on the Bio-Rad QX200 AutoDG Droplet Digital PCR System.

This kit is for research use only.

Visit [bio-rad.com/COVID-19-ddPCR](https://www.bio-rad.com/COVID-19-ddPCR) for more information.



### Features and Benefits

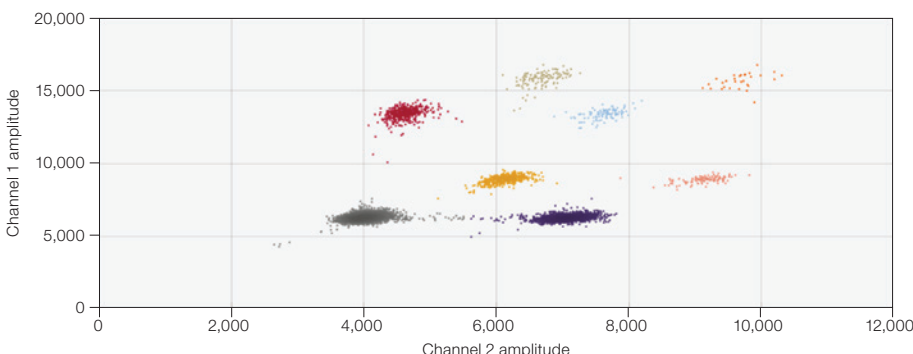
- High sensitivity and precision in low viral load
- Resistant to inhibition often seen in RT-PCR testing
- Single-well test with 3 sequences aligned to the Centers for Disease Control and Prevention (CDC) markers: SARS-CoV-2 *N1* and *N2* genes and the human *RP* gene
- Easy-to-use software and systems, allowing confident data scoring and minimizing indeterminants

### Limit of Detection

Target	SARS-CoV-2 <i>N1</i>	SARS-CoV-2 <i>N2</i>
RNA concentration, copies/reaction	5.2	5.8

**Limit of detection of the Bio-Rad SARS-CoV-2 Kit.** Samples were extracted with Thermo Fisher Scientific's MagMAX Viral/Pathogen Nucleic Acid Isolation Kit. The limit of detection of the QIAGEN QIAamp Viral RNA Mini Kit is available in the instruction manual.

### Performance Data for Bio-Rad SARS-CoV-2 ddPCR Kit



**Radial multiplexing of three targets (SARS-CoV-2 *N1*, SARS-CoV-2 *N2*, and human RNase P genes).** 2-D fluorescence amplitude plot shows radial multiplexing of SARS-CoV-2 *N1* (*N1*), SARS-CoV-2 *N2* (*N2*), and human RNase P (*RP*) genes using channel 1 (FAM) and channel 2 (HEX) of one of the equivalent ddPCR Systems. *N1* is detected by a FAM probe, *N2* by a 50% FAM and 50% HEX probe, and *RP* by a HEX probe. Clusters are triple-negative for the three targets (■), single-positive for *N1* (■), single-positive for *N2* (■), single-positive for *RP* (■), double-positive for *N1* and *N2* (■), double-positive for *N1* and *RP* (■), double-positive for *N2* and *RP* (■), and triple-positive for the three targets (■).

### Ordering Information

Catalog #	Description	Status
12013743	<b>SARS-CoV-2 ddPCR Kit</b> , 2019-nCoV CDC ddPCR Triplex Probe Assay, One-Step RT-ddPCR Supermix, Exact Diagnostics SARS-CoV-2 Positive Standard, Exact Diagnostics SARS-CoV-2 Negative Standard	
10000130776	<b>SARS-CoV-2 ddPCR Kit Instructions for Use</b> , RUO, downloadable	
<b>ddPCR Instruments and Software**</b>		
17002229	<b>QXDx AutoDG Droplet Digital PCR System</b> , IVD system includes QX200 Droplet Reader, IVD (12001045) and Automated Droplet Generator, IVD (12001630)	CE-marked IVD system
1864100	<b>QX200 AutoDG Droplet Digital PCR System</b> , includes QX200 Droplet Reader (1864003) and Automated Droplet Generator (1864101)	RUO system
1851197	<b>C1000 Touch Thermal Cycler with 96-Deep Well Reaction Module</b>	RUO lab equipment
1852197	<b>S1000 Thermal Cycler with 96-Deep Well Reaction Module</b>	RUO lab equipment
1814000	<b>PX1 PCR Plate Sealer</b>	RUO lab equipment

RUO, research use only.

\* All systems use the following software: QuantaSoft 1.7 (10026368), QuantaSoft Analysis Pro 1.0, and QX Manager 1.1.

\*\* Required to run the Bio-Rad SARS-CoV-2 ddPCR Kit. For consumables, refer to the instruction manual.

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