

GG COVID-19 Quadplex Real-Time PCR Kit

GG-COV-Q-01 (50 reactions)

GG-COV-Q-02 (100 reactions)

GG-COV-Q-03 (200 reactions)

Intended Use

The GG COVID-19 Qplex Real-Time PCR Kit is a real-time fluorescent reverse transcription PCR assay intended for the qualitative detection of nucleic acid from the SARS- CoV-2 in nasal, nasopharyngeal (NP), and oropharyngeal (OP) swabs from patients suspected of COVID-19 by their health care provider. Testing is limited to laboratories certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA), 42 U.S.C. §263a, to perform high complexity tests.

The GG COVID-19 Qplex Real-Time PCR Kit is offered in three configurations.

- GG-COV-Q-01 (50 reactions)
- GG-COV-Q-02 (100 reactions)
- GG-COV-Q-03 (200 reactions)

Introduction

The GG COVID-19 Quantaplex RT-PCR Kit is designed for multiplex, quantitative, reverse transcription PCR (qRT-PCR). It is optimized for the amplification of COVID-19 gene targets simultaneously using your RNA samples. Reactions are run using a single-tube, one-step procedure to reverse-transcribe the RNA and amplify COVID-19 suspicious specimens using a Multiplex Enzyme Mix containing Taq DNA Polymerase.

Reactions are run and detected in a thermal cycler capable of real-time detection of amplification products to yield quantitative data.

Kit Components

Module Component	Storage	
GG-COV-Q-01/02/03 (with RT_PCR Enzyme mastermix/dNTP)	Forward/Reverse Primer mixture	-20°C
	Probe mixture	-20°C
	Internal Control RNA	-20°C
	Positive Control RNA	-20°C
	Enzyme	-20°C
	Buffer	-20°C
	dNTP	-20°C
	Nuclease-free Water	any temp ¹

1. Store the Nuclease-free Water at -20°C, 4°C, or room temperature.

Shipping & Storage Information

The components of the GG COVID-19 Qplex Real-Time PCR Kit are shipped at -20°C.

Use the reagents within 6 months of manufacturing date. Use the reagents within 30 days once opened.

Completely thaw the reagents before use. Avoid excessive freeze/thaw cycles for reagents.

Functional Testing

Every lot is rigorously tested for performance.

Safety Information

A Material Safety Data Sheet(s) (MSDS) is available on our web site. Visit at www.goodgenekorea.com/resources The MSDSs are sent only on the first shipment, unless a substantial revision occurs. If the product is a kit or is supplied with more than one material, please refer to the MSDS for each component for hazard information.

Ordering Information

P/N	Product Name	Description	Enzyme/dNTP included
Q-01	GG COVID-19 Qplex Real-Time PCR Kit	50 Reactions	0
Q-02	GG COVID-19 Qplex Real-Time PCR Kit	100 Reactions	0
Q-03	GG COVID-19 Qplex Real-Time PCR Kit	200 Reactions	0

Documentation and support

Customer and technical support

Visit at www.goodgenekorea.com/resources for the latest in services and support, including:

- Worldwide contact telephone numbers
- Product support, including:
- Product FAQs
- Order and web support
- Product documentation, including: - User guides, manuals, and protocols
- Certificates of Analysis
- Safety Data Sheets (SDSs; also known as MSDSs)

Note: For SDSs for reagents and chemicals from other manufacturers, contact the manufacturer.

The information in this guide is subject to change without notice.

Limited product warranty

GoodGene Corporation and/or its affiliate(s) warrant their products as set forth in the GoodGene's General Terms and Conditions of Sale found on GoodGene' website at www.goodgenekorea.com/terms-and-conditions

contact GoodGene at www.goodgenekorea.com/support.

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