

PowerChek™ 2019-nCoV Real-time PCR Kit series

2019-nCoV Detection

by Real-time PCR assay



Fast & Accurate Testing for 2019 Novel Coronavirus – Screening & Detection

- E gene
- RdRp gene



2019 Novel Coronavirus Outbreak!

PowerChek™ 2019-nCoV Real-time PCR Kit v.1.0

For research use only

2019 Novel Coronavirus (2019-nCoV) is a virus identified as the cause of an outbreak of respiratory illness first detected in Wuhan, China. Coronaviruses are a large family of viruses. Some cause illness in people; numerous other coronaviruses circulate among animals, including camels, cats, and bats. Rarely, animal coronaviruses can infect people and then spread between people such as with MERS and SARS. 2019-nCoV has resulted in more than several thousand confirmed cases in China, including cases outside China. Additional cases have been identified in a growing number of other international locations.

PowerChek™ 2019-nCoV Real-time PCR Kit provides the fast and accurate testing solution for Wuhan coronavirus, targeting the E gene for beta Coronavirus and the RdRp gene for 2019-nCoV specifically. KogeneBiotech is engaged with relevant organizations in Korea, to supply the test kits and offer additional respiratory viral detection solutions for diagnosis by exclusion.



Key Features

- R&D know-how & scaled-up producing experience with quality control at MERS-CoV outbreaks in 2015
- Based on WHO & CDC reference method
- E gene detection for Beta CoV & RdRp gene detection specific for 2019-nCoV
- Highly specific detection for all registered 2019-nCoV sequence database
- One-step Real-time RT PCR assay kit
- Including internal control, positive control and all necessary reagents

Kit components

- RT-PCR Premix
- Primer/Probe Mix 1 (E gene)
- Primer/Probe Mix 2 (RdRp gene)
- Control 1 (E gene)
- Control 2 (RdRp gene)

Ordering information

Cat No.	Product	Fluorophore	Size
R6900T	PowerChek™ 2019-nCoV Real-time PCR Kit	FAM, JOE (VIC or HEX)	50
R6400T	PowerChek™ Coronavirus 229E/OC43/NL63 Real-time PCR Kit	FAM, VIC(HEX), NED/ROX, Cy5	100
R6800E	PowerChek™ MERS-CoV (upE & ORF1a) Real-time PCR Kit	FAM, VIC(HEX), Cy5	50

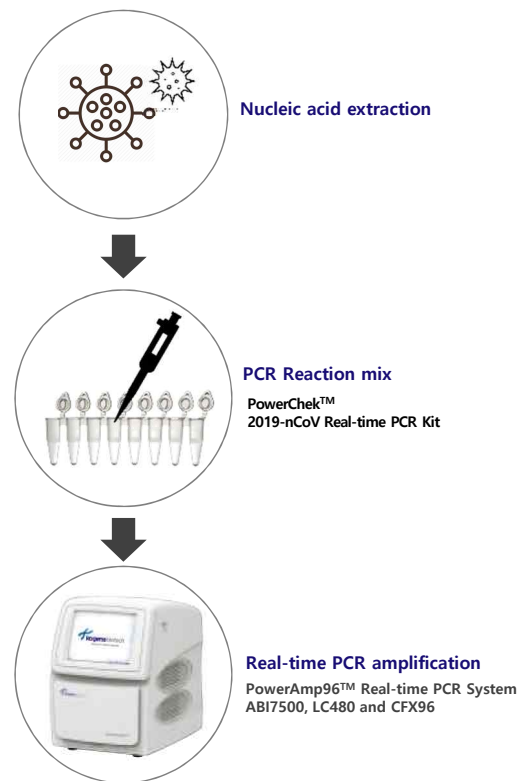
Cat No.	Nucleic acid extraction Kit	Size
E0007	PowerPrep™ Viral DNA/RNA Extraction Kit	50

Compatibility - Flexible Open System

Kogene	Thermo Fisher Scientific	Bio-Rad	Roche
PowerAmp96™	ABI®7500	CFX96™	LightCycler® 480
●	●	●	●

PowerAmp96™ is a trademark of KogeneBiotech Co., Ltd. ABI Prism® 7500 series are registered trademarks of Thermo fisher Scientific. CFX96™ is a registered trademark of Bio-Rad Laboratories, Inc. ROCHE® is a trademark of HoffmanLa Roche Inc.

Work Flow



Contact information

Myoah Baek
Executive Director
myoa100@hanmail.net / myoa100@kogene.co.kr

Suyeon Lee
Overseas business manager
sy0223@kogene.co.kr

Technical information of 2019-nCoV Real-time PCR Kit (R6900T)

Product information : PowerChek™ 2019-nCoV Real-time PCR Kit (R6900T)

Sensitivity : 5 ~ 7 copies / μ l

Specificity : 100% specificity confirmed by *in silico* analysis with all of registered 2019-nCoV sequences in GISAID data base

Exclusivity test performed for the following pathogens

Organism	Organism
Human Coronavirus OC43	Enterovirus D68
Human Coronavirus 229E	Human Rhinovirus
Human Coronavirus NL63	Coxsackie A6
Human Coronavirus HKU1	Echovirus 5
MERS-CoV	Enterovirus 71
Influenza A (H1N1)	Streptococcus pneumonia
Influenza A (H3)	Haemophilus Influenzae
Influenza A (H5)	Mycoplasma pneumoniae
Influenza B	Legionella pneumophila
Adenovirus	Rubella virus
Parainfluenza virus 1	Mumps virus
Parainfluenza virus 2	Measles virus
Parainfluenza virus 3	
Respiratory syncytial virus subtype A	
Respiratory syncytial virus subtype B	

Product appearance



Price information

Category	Cat No.	Real-time PCR Kit	Size
PCR Kit	R6900T	PowerChek™ 2019-nCoV Real-time PCR Kit	50

Category	Cat No.	Nucleic acid extraction Kit	Size
Extraction Kit	E0007	PowerPrep™ Viral DNA/RNA Extraction Kit	50

- 1) Incoterms 2020 : Ex Work
- 2) Research use only
- 3) Expirations : 1 year
- 4) Storage and transport condition
 - (1) PCR Kit : -15 ~ -25 °C, packed with dryice
 - (2) Extraction Kit : 15 ~ 25 °C