

CE IVD

PowerChek™ Clinical Dx Real-time PCR Kit series

# Clinical Diagnostics

Influenza Virus · Respiratory Virus · Gastroenteritis · MTB/NTM · CT/NG



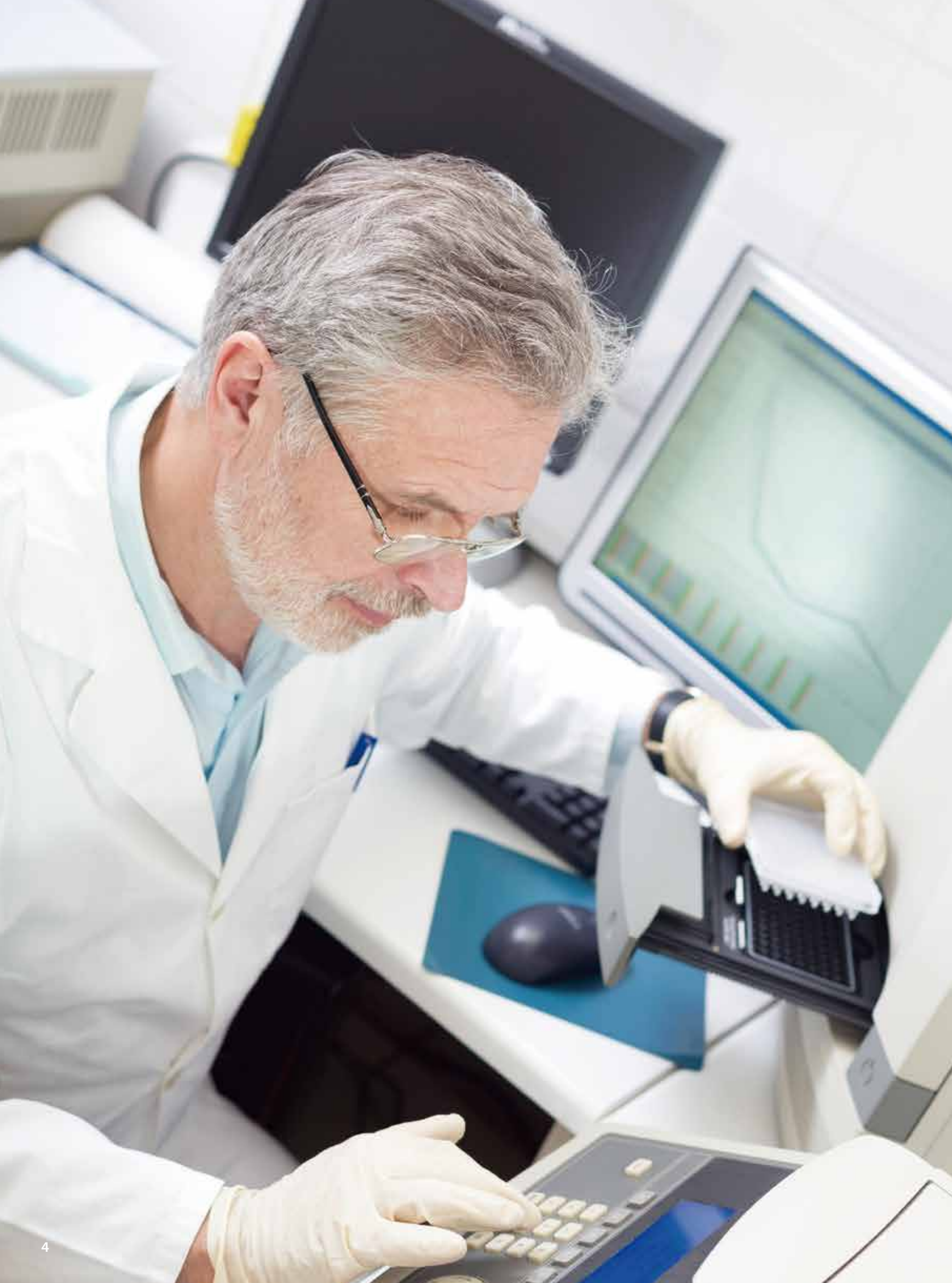




## Clinical Diagnostics Kit

- **Influenza Virus** 7
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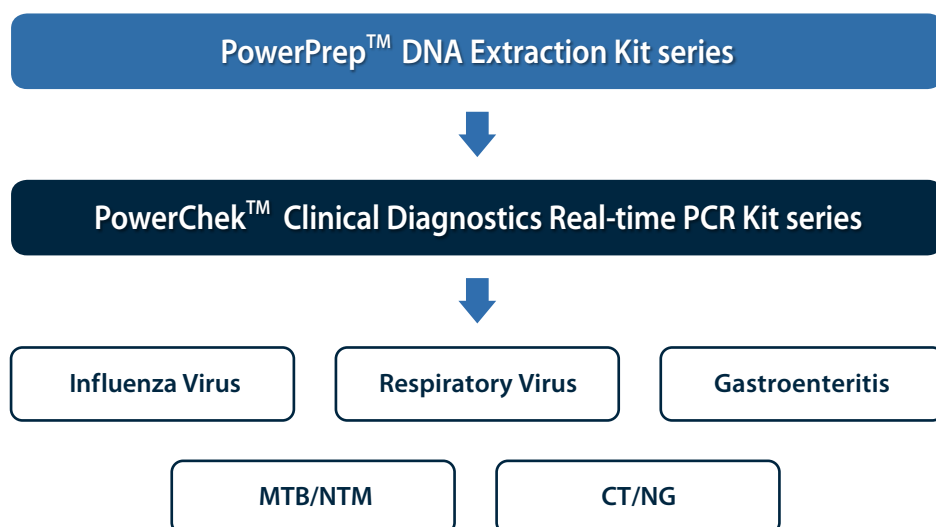
# KogeneBiotech, Real-time PCR Kit company

KogeneBiotech has been approved as a manufacturer of Medical Device by MFDS (Ministry of Food and Drug Safety) for the diagnosis of infectious pathogen, like as gastroenteric pathogen, influenza virus, respiratory virus and so on. We provide complete and easy solution kits that help guide appropriate therapy by identifying pathogen.

Based on state-of-the-art Real-time PCR technologies, PowerChek™ Clinical Diagnostic Real-time PCR Kit series enable simple, fast and reliable detection of a wide range of Influenza virus, respiratory virus, gastroenteritis, MTB/NTM and CT/NG.

PowerChek™ System has instrument compatibility with major Real-time PCR instruments and is flexible, allowing rapid results from a broad spectrum of clinical matrices while simplifying the testing process.

## Total Solution for Clinical Dx



### F. A. C. E system

- FAST
- ACCURATE
- CUSTOMIZED
- EASY to USE





PowerChek™ Clinical Diagnostic Real-time PCR Kit series 

# Influenza Virus

Influenza A / B

Influenza A / pH1N1

pH1N1

pH1N1 / H3N2 / H5N1

Avian Influenza

# Simple & Accurate testing for Influenza Virus



Influenza, commonly referred to as the flu, is an infectious disease caused by RNA viruses of the family Orthomyxoviridae (the influenza viruses). Usually influenza is transmitted from infected mammals and birds through the air by coughs, sneezes or droppings containing the virus.

Influenza viruses are classified A, B and C. Influenza A virus has a wide variety unlike influenza B virus or influenza C virus. Some variants of influenza A viruses (like H1N1, H5N1) are most virulent human pathogens among the three influenza types and cause the most severe disease.

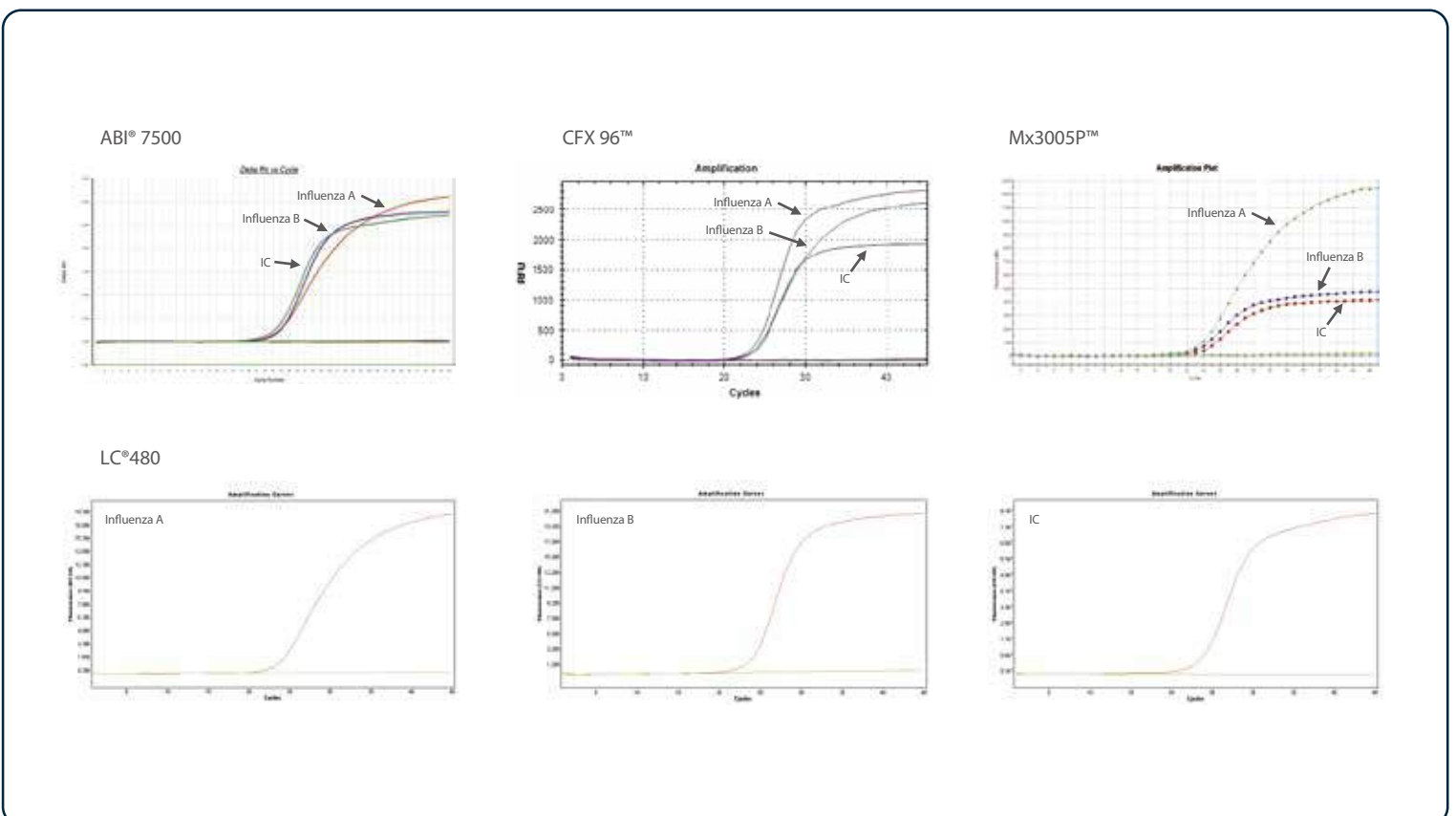
## Applications

- Nasopharyngeal swabs
- Nasal aspirates
- Bronchoalveolar lavage
- Sputum

## Intended Use

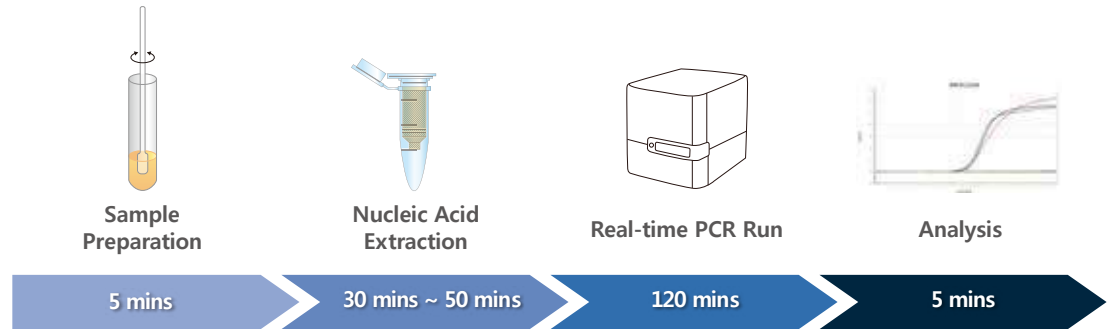
- Identifying test for diagnosis
- Confirmation of medical test
- Assistance of an examination in clinical samples

## Testing Results : Influenza A / B Real-time PCR Kit





## Work Flow



## Features & Benefits

- High sensitivity & specificity
- One-step Real-time RT-PCR assay
- Includes all necessary reagents
- Compatibility – Flexible open system
- Time-to-Result : about 2 hr
- Easy to use
- CE marked

## PowerChek™ Influenza Virus Real-time PCR Kit series CE IVD

Cat #	PowerChek™ Influenza Virus Real-time PCR Kit series	Analyte	Size	Fluorophore	ABI 7500 series	BioRad CFX96™	BioRad iCycler IQ™5	Qiagen RotorGeneQ™	Roche LightCycler®480	Roche LightCycler®96	Agilent Mx3005P™
R2100E	PowerChek™ Influenza A Real-time PCR Kit	Influenza A, IC	100	FAM, Cy5	●	●	●	●	●	●	●
R2200E	PowerChek™ Influenza B Real-time PCR Kit	Influenza B, IC	100	VIC(HEX), Cy5	●	●	●	●	●	●	●
R2800	PowerChek™ Pandemic H1N1 Real-time PCR Kit	Pandemic Influenza H1N1, IC	100	FAM, Cy5	●	●	●	●	●	●	●
R2700	PowerChek™ Influenza A / Pandemic H1N1 Real-time PCR Kit	- Seasonal Influenza A - Pandemic Influenza H1N1 - IC	100	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	●
R3300T	PowerChek™ Influenza A / B Real-time PCR Kit	- Seasonal Influenza A - Seasonal Influenza B - IC	100	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	●
R3400	PowerChek™ Pandemic H1N1 / H3N2 Real-time PCR Kit	- Pandemic Influenza H1N1 - Seasonal Influenza H3N2 - IC	100	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	●
R3500T	PowerChek™ Pandemic H1N1 / H3N2 / H5N1 Real-time PCR Kit	- Pandemic Influenza H1N1 - Seasonal Influenza H3N2 - Avian Influenza H5N1 - IC	100	FAM, VIC(HEX), NED, Cy5	●						
R3000E	PowerChek™ AI H5N1 Real-time PCR Kit	Avian Influenza Virus H5N1	100	FAM, VIC(HEX)	●	●	●	●	●	●	●
R3100E	PowerChek™ AI H7N7 Real-time PCR Kit	Avian Influenza Virus H7N7	100	FAM, VIC(HEX)	●	●	●	●	●	●	●
R3200E	PowerChek™ AI H9N2 Real-time PCR Kit	Avian Influenza Virus H9N2	100	FAM, VIC(HEX)	●	●	●	●	●	●	●
Cat #	PowerPrep™ Extraction Kit series	Size	Purification Module		Sample Matrices						
E0007	PowerChek™ Viral DNA/RNA Extraction Kit	50	Silica spin column		<ul style="list-style-type: none"> <li>• Cell, tissue, culture</li> <li>• Swab</li> <li>• Virus-infected samples</li> </ul>						

★ Compatible with fluorophore, but not validated on this machine



PowerChek™ Clinical Diagnostic Real-time PCR Kit series 

# Respiratory Virus

Adenovirus / Bocavirus  
PIV type 1, 2, 3  
RSV A / B / HMV  
Coronavirus  
Rhinovirus



# Simple & Accurate testing for Respiratory Virus



The major causes of acute respiratory infections in children and adults are Adenovirus, Bocavirus, Parainfluenza virus (subtype 1, 2, 3), Respiratory Syncytial Virus (A, B), Coronavirus (229E, OC43, NL63) and Rhinovirus. Rapid diagnosis of these viral pathogens is important for infection control and therapeutic purposes. PowerChek™ Respiratory Virus Real-time PCR Kit series are intended for the qualitative detection and discrimination of respiratory viruses in clinical samples.

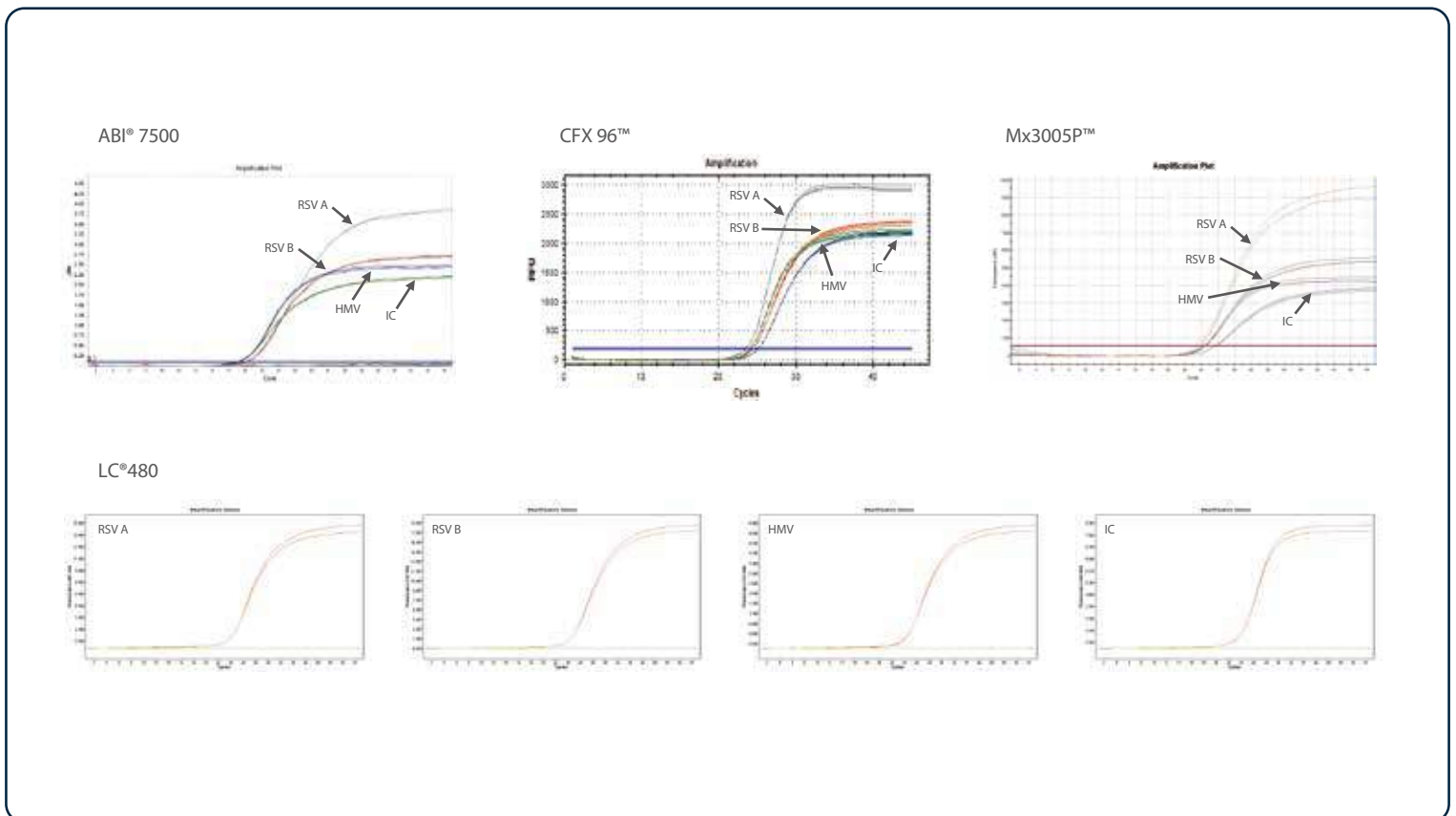
## Applications

- Nasopharyngeal swabs
- Nasal aspirates
- Bronchoalveolar lavage
- Sputum

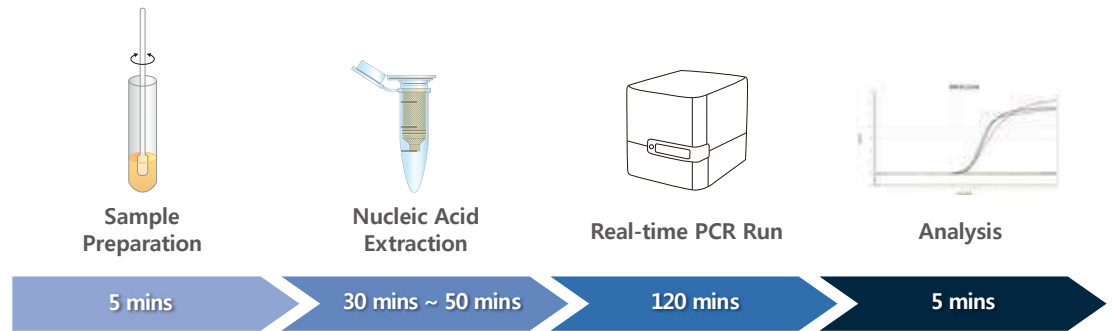
## Intended Use

- Identifying test for diagnosis
- Confirmation of medical test
- Assistance of an examination in clinical samples

## Testing Results : RSV A&B / HMV Real-time PCR Kit



## Work Flow



## Features & Benefits

- High sensitivity & specificity
- One-step Real-time RT-PCR assay
- Includes all necessary reagents
- Compatibility – Flexible open system
- Time-to-Result : about 2 hr
- Easy to use
- CE marked

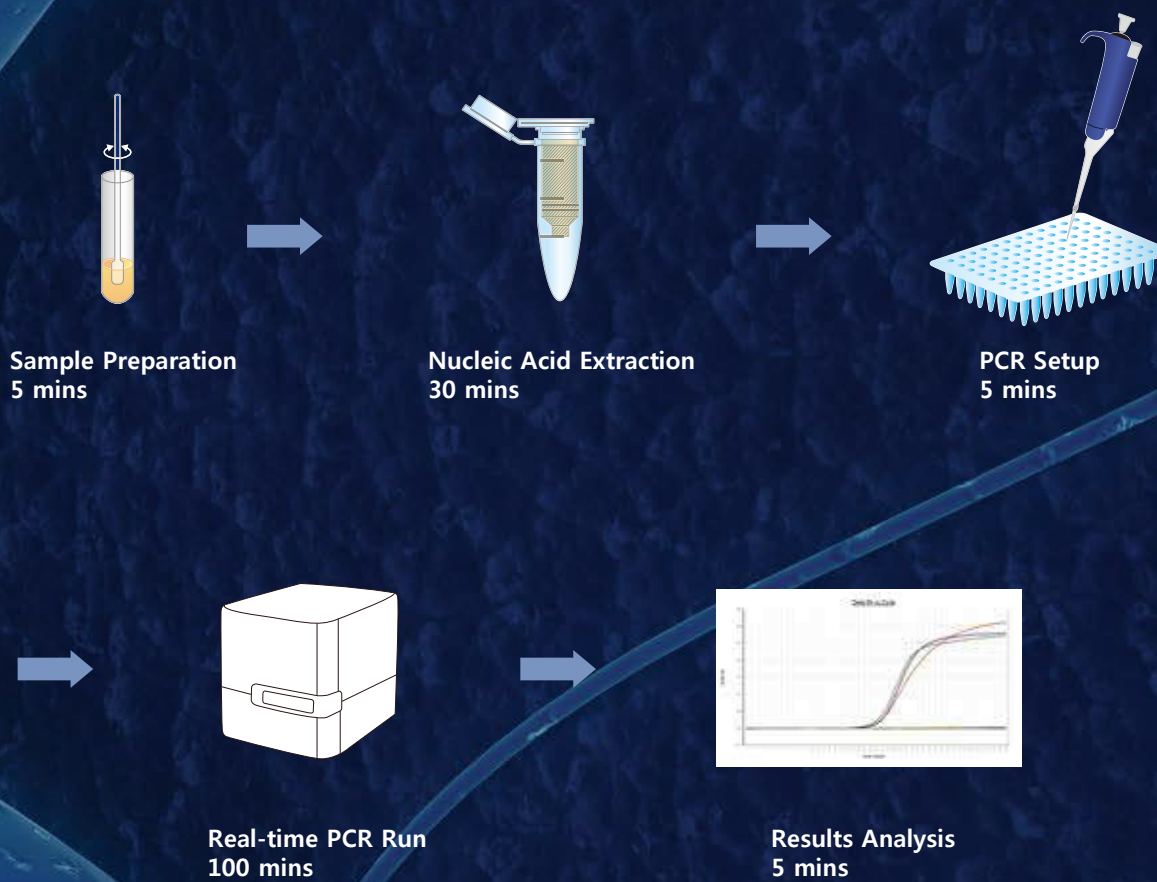
## PowerChek™ Respiratory Virus Real-time PCR Kit series

Cat #	PowerChek™ Respiratory Virus Real-time PCR Kit series	Analyte	Fluorophore	Size	ABI® 7500 series	BioRad CFX96™	BioRad iCycler IQ™5	Qiagen RotorGeneQ™	Roche LightCycler®480	Roche LightCycler®96	Agilent Mx3005P™
R6000	<b>NEW!</b> PowerChek™ 14 RV Panel Kit	- Adenovirus / Bocavirus / IC - Parainfluenza Virus type 1 / 2 / 3 / IC - RSV A & B / Human Metapneumovirus / IC - Coronavirus 229E / OC43 / NL63 / IC - Human Rhinovirus / IC - Influenza A / Influenza B / IC	- FAM - VIC(HEX) - NED/ROX - Cy5	100	●	●	●	●	●	●	●
R6100T	PowerChek™ Human Adenovirus / Bocavirus Real-time PCR Kit	- Human Adenovirus - Human Bocavirus - IC	- FAM - VIC(HEX) - Cy5	100	●	●	●	●	●	●	●
R6200T	PowerChek™ Parainfluenza Virus 1 / 2 / 3 Real-time PCR Kit	- Parainfluenza Virus type 1 - Parainfluenza Virus type2 - Parainfluenza Virus type3 - IC	- FAM - VIC(HEX) - NED/ROX - Cy5	100	●	●	●	●	●	●	●
R6300T	PowerChek™ RSV A & B / HNV Real-time PCR Kit	- RSV A - RSV B - Human Metaneumo Virus - IC	- FAM - VIC(HEX) - NED/ROX - Cy5	100	●	●	●	●	●	●	●
R6400T	PowerChek™ Coronavirus 229E / OC43 / NL63 Real-time PCR Kit	- Coronavirus 229 - Coronavirus OC43 - Coronavirus NL63 - IC	- VIC(HEX) - FAM - NED/ROX - Cy5	100	●	●	●	●	●	●	●
R6600T	PowerChek™ Rhinovirus Real-time PCR Kit	- Rhinovirus - IC	- FAM - Cy5	100	●	●	●	●	●	●	●
Cat #	PowerPrep™ Nucleic Acid Extraction Kit series	Size	Purification Module	Sample Matrices							
E0007	PowerChek™ Viral DNA/RNA Extraction Kit	50	Silica spin column	<ul style="list-style-type: none"> <li>• Cell, tissue, culture</li> <li>• Swab</li> <li>• Virus-infected samples</li> </ul>							

\* Compatible with fluorophore, but not validated on this machine

# *The PowerChek™ Clinical Diagnostics Real-time PCR Kit*

**Super Fast & Sensitive Testing for Clinical Diagnostic**

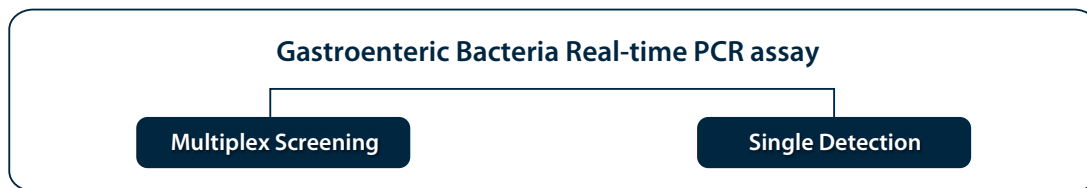




# Gastroenteric Bacteria

Gastroenteritis is a common infection caused by a variety of bacteria in children and adult.

PowerChek™ Gastroenteric Bacteria Real-time PCR Kit series enable simple, fast and reliable detection of major viral and bacterial contaminants in a complex sample like stool, environmental and food.



## Benefits & Key Features

**Super Fast, Simple and Easy**

- Time-to-Result : 1.5 ~ 2.5 hrs.
- Easy to use

**A Complete Solution Kit**

- Included all reagents required to run Real-time PCR.
- As fast, easy and reliable as possible.

## Compatibility - Flexible open system


LT	BioRad	Roche	Agilent	Qiagen
ABI® 7500	CFX96™	LightCycler® 480	Mx3005P™	Rotor-Gene Q™
●	●	●	●	●

- Salmonella*
- Campylobacter*
- Pathogenic E.coli*
- Listeria monocytogenes*
- Clostridium perfringenes*
- Vibrio*
- Shigella*
- Bacillus cereus*
- Staphylococcus aureus*
- Yersinia enterocolitica etc.*

## PowerPrep™ Nucleic Acid Extraction Kit CE IVD

Cat No.	Size (Samples)	Product	Sample Matrices	Purification Module
E0101	100	PowerPrep™ DNA Extraction Kit	<ul style="list-style-type: none"> <li>• Cell, tissue, culture</li> <li>• Feces, swab</li> <li>• Plasma, serum, swab, urine, stool, blood and infected samples</li> </ul>	Silica spin column

# PowerChek™ Gastroenteric Bacteria Real-time PCR Kit series

Cat #	PowerChek™ Gastroenteric Bacteria Real-time PCR Kit series	Analyte
R0101E	PowerChek™ <i>Campylobacter jejuni</i> Real-time PCR Kit	<i>Campylobacter jejuni</i> , IC
R0102E	PowerChek™ <i>E.coli</i> O157 Real-time PCR Kit (VT2)	<i>E. coli</i> O157, IC
R0103E	PowerChek™ <i>Staphylococcus aureus</i> Real-time PCR Kit	<i>Staphylococcus aureus</i> , IC
R0104E	PowerChek™ <i>Bacillus cereus</i> Real-time PCR Kit	<i>Bacillus cereus</i> , IC
R0105E	PowerChek™ <i>Vibrio parahaemolyticus</i> Real-time PCR Kit	<i>Vibrio parahaemolyticus</i> , IC
R0106E	PowerChek™ <i>Listeria monocytogenes</i> Real-time PCR Kit	<i>Listeria monocytogenes</i> , IC
R0107E	PowerChek™ <i>Yersinia enterocolitica</i> Real-time PCR Kit	<i>Yersinia enterocolitica</i> , IC
R0108E	PowerChek™ <i>Salmonella</i> spp. Real-time PCR Kit	<i>Salmonella</i> spp., IC
R0109E	PowerChek™ <i>Shigella</i> spp. Real-time PCR Kit	<i>Shigella</i> spp., IC
R0110E	PowerChek™ <i>Vibrio cholerae</i> Real-time PCR Kit	<i>Vibrio cholerae</i> , IC
R0111E	PowerChek™ <i>Clostridium perfringens</i> Real-time PCR Kit	<i>Clostridium perfringens</i> , IC
R0113E	PowerChek™ <i>Vibrio vulnificus</i> Real-time PCR Kit	<i>Vibrio vulnificus</i> , IC
R0115E	PowerChek™ EHEC Real-time PCR Kit	EHEC (stx1, stx2), IC
R0116E	PowerChek™ ETEC Real-time PCR Kit	ETEC (LT, ST), IC
R0121E	PowerChek™ EAEC/EIEC Real-time PCR Kit	EAEC (aggR), EIEC (ipaH)
R0122E	PowerChek™ EPEC Real-time PCR Kit	EPEC (bfpA, eaeA)
R0131T	PowerChek™ Diarrheal <i>E.coli</i> 4-plex Real-time PCR Kit I	EHEC (VT1, VT2), ETEC (LT, ST)
R0140T	PowerChek™ Diarrheal <i>E.coli</i> 4-plex Real-time PCR Kit II	EPEC (eaeA, bfpA), EIEC (ipaH), EAEC (aggR)
R0129E	PowerChek™ <i>Campylobacter</i> Triplex Real-time PCR Kit	<i>Campylobacter</i> spp., <i>C. jejuni</i> , <i>C. coli</i> , IC
R0136E	PowerChek™ <i>E.coli</i> O157 & <i>Salmonella</i> Real-time PCR Kit	<i>E. coli</i> O157, <i>Salmonella</i> spp., IC
R0139E	PowerChek™ <i>Vibrio parahaemolyticus</i> Multiplex Real-time PCR Kit	<i>Vibrio parahaemolyticus</i> (toxR, trh, tdh), IC
R0117E	PowerChek™ <i>Vibrio</i> Multi I Real-time PCR Kit	<i>Vibrio parahaemolyticus</i> , <i>V. cholerae</i> (ctx, hly), IC
R0118E	PowerChek™ <i>Vibrio</i> Multi II Real-time PCR Kit	<i>Vibrio cholerae</i> (ctx), <i>V. parahaemolyticus</i> , <i>V. vulnificus</i> , IC
R0123E	PowerChek™ <i>Salmonella</i> & <i>Shigella</i> Real-time PCR Kit	<i>Salmonella</i> spp., <i>Shigella</i> spp., IC
R0143E	PowerChek™ 20 Pathogen Multiplex Real-time PCR Kit	<i>Campylobacter jejuni</i> , <i>C. coli</i> , <i>Clostridium perfringens</i> (cpe, cpa) <i>Vibrio cholerae</i> , <i>V. vulnificus</i> , <i>V. parahaemolyticus</i> <i>Listeria monocytogenes</i> , <i>Salmonella</i> spp., IC <i>Bacillus cereus</i> , <i>Yersinia enterocolitica</i> , <i>Staphylococcus aureus</i> EHEC (VT1, VT2), ETEC (LT, ST) EAEC (aggR) EPEC (bfpA, eaeA), EIEC (ipaH)
R1500 	PowerChek™ 25 Gastroenteric Panel Kit	<i>Campylobacter jejuni</i> , <i>C. coli</i> , <i>Clostridium perfringens</i> (cpe, cpa) <i>Vibrio cholerae</i> , <i>V. vulnificus</i> , <i>V. parahaemolyticus</i> <i>Listeria monocytogenes</i> , <i>Salmonella</i> spp., IC <i>Bacillus cereus</i> , <i>Yersinia enterocolitica</i> , <i>Staphylococcus aureus</i> EHEC (VT1, VT2), ETEC (LT, ST) EAEC (aggR), EPEC (eaeA, bfpA), EIEC (ipaH) Norovirus G I / G II <i>Adenovirus</i> , <i>Astrovirus</i> , <i>Rotavirus</i>

※ We customize the products to suit each client's needs for the Multiplex Kits.

Size	Fluorephore	ABI® 7500 series	ABI® 7900	ABI® 7300	AB StepOne™	AB StepOne Plus™	BioRad CFX96™	BioRad iCycler IQ™5	Qiagen RotorGeneQ™	Roche LightCycler®480	Roche LightCycler®96	Agilent Mx3005P™
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	★	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	★	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	★	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	★	●
50	FAM, VIC(HEX), ROX, Cy5						●	★	●	●	★	●
50	FAM, VIC(HEX), NED, Cy5	●										
50	FAM, VIC(HEX), ROX, Cy5						●	★	●	●	★	●
50	FAM, VIC(HEX), NED, Cy5	●										
50	FAM, VIC(HEX), NED, Cy5	●										
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	★	●
50	FAM, VIC(HEX), ROX, Cy5						●	★	●	●	★	●
50	FAM, VIC(HEX), ROX, Cy5						●	★	●	●	★	●
50	FAM, VIC(HEX), NED, Cy5	●										
50	FAM, VIC(HEX), ROX, Cy5						●	★	●	●	★	●
50	FAM, VIC(HEX), NED, Cy5	●										
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	★	●
32 tests	FAM, VIC(HEX), ROX, Cy5						●	★	●	●	★	●
32 tests	FAM, VIC(HEX), NED, Cy5	●										
32 tests	FAM, VIC(HEX), ROX, Cy5						●	★	●	●	★	●
32 tests	FAM, VIC(HEX), NED, Cy5	●										

※ IC: Internal Control  
★ Compatible with fluorophore, but not validated on this machine







# Gastroenteric Virus

Gastroenteritis is a common infection caused by a variety of viruses in children and adult. Especially the viruses, including Rotavirus, Norovirus, Astrovirus and enteric Adenovirus, are frequently associated with diarrhea and vomiting in children under 5 years of age, sporadic cases have been described for hospitalized children



PowerChek™ Gastroenteric Virus Real-time PCR Kit series enable simple, fast and reliable detection of major viral and bacterial contaminants in a complex sample like stool, environmental and food.

## Benefits & Key Features

### Super Fast, Simple and Easy

- Time-to-Result : 1.5 ~ 2.5 hrs.
- Easy to use
- One-step RT Real-time PCR Kit

### A Complete Solution Kit

- Included all reagents required to run Real-time PCR.
- As fast, easy and reliable as possible.

## Compatibility - Flexible open system

LT	BioRad	Roche	Agilent	Qiagen
ABI® 7500	CFX96™	LightCycler® 480	Mx3005P™	Rotor-Gene Q™
●	●	●	●	●



## Gastroenteric Virus Real-time PCR Kit series

Cat #	PowerChek™ Gastroenteric Virus Real-time PCR Kit series	Size	Fluorophore	ABI® 7500 series	ABI® 7900	ABI® 7300	AB StepOne™	AB StepOne Plus™	BioRad CFX96™	BioRad Cycler IQ™5	Qiagen RotorGeneQ™	Roche LightCycler 480	Roche LightCycler 96	Agilent Mx3005P™
R0203E	PowerChek™ Norovirus G I Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0205E	PowerChek™ Norovirus G II Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0201E	PowerChek™ Adenovirus Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0202E	PowerChek™ Astrovirus Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0204E	PowerChek™ Rotavirus Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0210	PowerChek™ Norovirus GI / GII Multiplex Real-time PCR Kit	50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	●	●
R0211	PowerChek™ Adeno/Astro/Rota Real-time PCR Kit	50	FAM, VIC(HEX), ROX, Cy5						●	★	●	●	★	●
R0212	PowerChek™ Hepatitis A Virus Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
<b>NEW</b> R1502	PowerChek™ 5 Viral Panel Kit	32 tests	FAM, VIC(HEX), NED/ROX, Cy5	●	●	●	●	●	●	●	●	●	●	●

Cat #	PowerPrep™ Extraction Kit	Size	Purification Module	Sample Matrices
E0007	PowerPrep™ Viral DNA/RNA Extraction Kit	50	Silica spin column	<ul style="list-style-type: none"> <li>• Cell, tissue, culture</li> <li>• Swab</li> <li>• Virus-infected samples</li> </ul>

★ Compatible with fluorophore, but not validated on this machine

Norovirus GI/GII  
 Rotavirus  
 Adenovirus  
 Astrovirus  
 Hepatitis A Virus



# MTB / NTM

The differentiation of *Mycobacterium tuberculosis* (MTB) from non tuberculous mycobacteria (NTM) is of primary importance for infection control and choice of antimicrobial therapy.

PowerChek™ MTB/NTM Real-time PCR Kit is designed to simultaneously detect the specific genes for MTB and NTM using multiplex Real-time PCR assay.

The kit targets the MTB complex-specific IS6110 and ITS, 16s rDNA region of mycobacterium. Therefore, the product allows for the qualitative detection and discrimination of MTB and NTM directly in clinical sample and culture.



## Benefits & Key Features

- KFDA approved
- High sensitivity & specificity
- Time to results : 100 min after DNA ext.
- Includes all necessary reagents
- Compatibility – Flexible open system
- Reliable - internal control
- Easy to use
- CE marked

## Compatibility - Flexible open system

LT	BioRad	Roche	Agilent	Qiagen
ABI® 7500	CFX96™	LightCycler® 480	Mx3005P™	Rotor-Gene Q™
●	●	●	●	●

## Ordering information

Cat #	Product	Size	Fluorophore	ABI 7500 series	BioRad CFX96™	BioRad iCycler IQ™5	Qiagen RotorGeneQ™	Roche LightCycler®480	Roche LightCycler®96	Agilent Mx3005P™
R0120	PowerChek™ MTB/NTM Real-time PCR Kit	100	FAM, VIC(HEX), Cy5	●	●	★	●	●	★	●
Cat #	PowerPrep™ Extraction Kit	Size	Sample Matrices	Purification Module						
E0104	PowerPrep™ TB Extraction Kit	100	<ul style="list-style-type: none"> <li>• Sputum</li> <li>• Bronchial wash, bronchoalveolar lavage</li> </ul>	Boiling						

★ Compatible with fluorophore, but not validated on this machine





# CT/NG

*Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG) are the two most prevalent bacterial sexually transmitted infections (STIs) reported to the Centers for Disease Control and Prevention. *Chlamydia trachomatis* infections are often asymptomatic in both males and females. Children born to infected mothers are at significantly higher risk for inclusion conjunctivitis and chlamydial pneumonia.

*Neisseria gonorrhoeae* is pathogenic to humans who are its only natural host, it is responsible for the disease Gonorrhea. Gonorrhea is a sexually transmitted disease of worldwide importance. Host-related factors contribute to the incidence of Gonorrhea.






PowerChek™ CT/NG Real-time PCR Kit is designed to simultaneously detect the specific genes for CT and NG using multiplex Real-time PCR assay.



## Benefits & Key Features

- High sensitivity & specificity
- Time to results : 100 min after DNA ext.
- Includes all necessary reagents
- KGMP
- Compatibility – Flexible open system
- Reliable - internal control
- Easy to use
- CE marked

## Compatibility - Flexible open system

LT	BioRad	Roche	Agilent	Qiagen
ABI® 7500	CFX96™	LightCycler® 480	Mx3005P™	Rotor-Gene Q™
				
●	●	●	●	●

## Ordering information

Cat #	Product	Size	Fluorophore	ABI 7500 series	BioRad CFX96™	BioRad LightCycler IQ™ 5	Qiagen RotorGeneQ™	Roche LightCycler 480	Roche LightCycler 96	Agilent Mx3005P™
R0110	PowerChek™ CT/NG Real-time PCR Kit	100	FAM, VIC(HEX), Cy5	●	●	★	●	●	★	●
Cat #	PowerPrep™ Extraction Kit	Size	Sample Matrices	Purification Module						
E0101	PowerPrep™ DNA Extraction Kit	100	<ul style="list-style-type: none"> <li>• Feces, swab</li> <li>• Plasma, serum, Urine, stool, blood and virus infected samples</li> </ul>	Silica spin column						

★ Compatible with fluorophore, but not validated on this machine

A young child with short brown hair and a slight smile is looking towards the camera. Above their head is a large, hand-drawn white thought bubble on a dark grey background. Inside the bubble, the text 'High Quality Nucleic Acid Extraction for Molecular Diagnostics' is written in a white, italicized serif font. Two smaller circles lead from the bottom of the main bubble to the child's head.

*High Quality Nucleic Acid Extraction  
for Molecular Diagnostics*

# PowerPrep™ Nucleic Acid Extraction Kit series

The success of molecular diagnostic analysis requires effective methods for the nucleic acid extraction from various sample types.

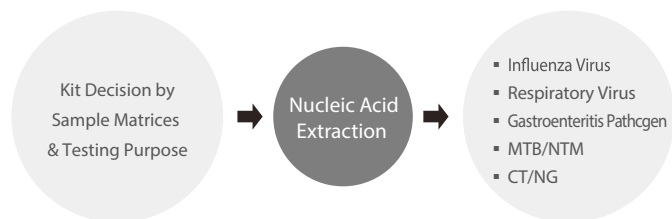
PowerPrep™ Nucleic Acid Extraction Kit series provide a rapid and efficient method for the isolation and purification of DNA from a variety of samples including infected samples, tissue and culture cell so on. The kits offer various isolation systems available to suit your special testing purpose, assuring high-quality nucleic acid purification.




## PowerPrep™ Nucleic Acid Extraction Kit series

- Simple & fast procedure : less than 100 mins
- Efficient extraction & purification from complex food matrices
- Efficient removal of PCR inhibitors
- Especially for highly processed food


## Sample Procedure & High Quality



## Applications & Products

Application	Sample material	Cat #	Product	Size	Purification Module	Sample scale
▪ MTB/NTM	▪ Sputum ▪ Bronchial wash, bronchoalveolar lavage	 E0104	PowerPrep™ TB Extraction Kit	100	Boiling	Small
▪ Influenza Virus ▪ Respiratory Virus ▪ Gastroenteric Virus	▪ Cell, tissue, culture ▪ Swab ▪ Virus infected samples	E0007	PowerPrep™ Viral DNA/RNA Extraction Kit	50	Silica spin column	Small
▪ Gastroenteric Bacteria ▪ MTB/NTM ▪ CT/NG	▪ Cell, tissue, culture ▪ Feces, swab ▪ Plasma, serum, swab, urine, stool, blood and virus infected samples	E0101	PowerPrep™ DNA Extraction Kit	100	Silica spin column	Small



A young girl with long, straight brown hair is shown in profile, blowing on a dandelion seed head. She is wearing a white and blue striped shirt. The background is a soft-focus green field under a clear blue sky. Several dandelion seeds are captured in mid-air, floating away from the seed head she is holding. The overall mood is peaceful and natural.

*KogeneBiotech,  
Real-time PCR Kit company  
for Clinical Diagnostics*

#### **Notice to purchaser : limited license statements**

KogeneBiotech's products are optimized for use in the Polymerase Chain Reaction (PCR) and 5' nuclease detection methods covered by patents owned by Roche Molecular Systems, Inc. and F. Hoffmann-La Roche Ltd. No license under these patents to use the PCR process is conveyed expressly or by implication to the purchaser by the purchase of this product. TaqMan® probes are conveyed by U.S. Patent 5,723,591 and foreign counterparts and patents pending owned by Applied Biosystems. The purchase of KogeneBiotech's product does not include a license to use these patented technology. A license must be obtained by contacting Applied Biosystems. Further information on purchasing licenses to practice the PCR process may be obtained by contacting the Director of Licensing, Applied Biosystems, 850 Lincoln Centre Drive, Foster City, California 94404.

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- ROX™ is a trademark of Applied Biosystems.
- StepOne® is a registered trademark of Applied Biosystems, or its subsidiaries.
- TaqMan® is a registered trademark of Applied Biosystems, Inc.
- Agilent Mx3000PTM and Mx3005PTM are a trademark of Agilent Technologies.

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Printed in South Korea.