NeoPlex™
Multiplex Real-Time PCR

NeoPlex™ Respiratory Infection Panels Order Information

Cat. No.	Product	Description	Method	Size
NR01A	NeoPlex™ RV-Flu/RSV Detection Kit	Detection of Influenza Virus A, B, Respiratory Syncytial Virus A, B, and Others in a Single Test	Multiplex Real-Time RT-PCR	96 tests/kit
NR02A	NeoPlex™ RB-8 Detection Kit	Detection of Pneumonia, Pertussis, and Others in a Single Test	Multiplex Real-Time PCR	96 tests/kit
NR03A	NeoPlex™ RV-Panel A Detection Kit	Simultaneous Detection of 10 Viral Respiratory Pathogens in a Single Test	Multiplex Real-Time RT-PCR	96 Tests/Kit

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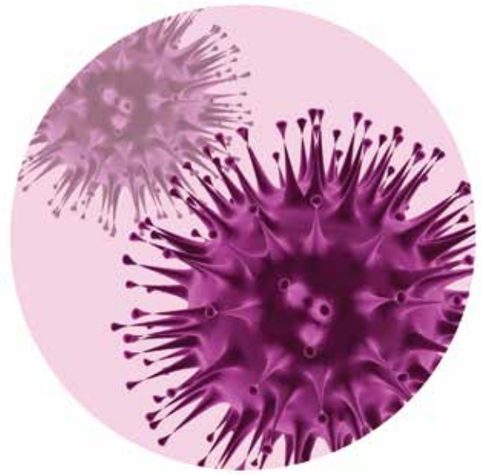
Easy and Fast

NeoPlex™
Multiplex Real-Time PCR

Respiratory Infection Panels

Simultaneous Detection of
28 Respiratory Pathogens with
Multiplex Real-Time PCR



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NeoPlex™ Multiplex Real-Time PCR

Respiratory Infection Panels

Acute respiratory tract infections (RTIs) are one of the most prevalent infections in children and adults and could be critical to patients over 60 years of age or with immunosuppressant therapy. RTIs include common cold and influenza to more serious pneumonia. Both viruses and bacteria can cause RTIs, but the clinical signs and symptoms of many respiratory pathogens are very similar, making it difficult to diagnose with slow and inaccurate traditional methods. Therefore an early and accurate detection of RTIs is crucial for rapid diagnosis and timely treatment.

NeoPlex™ Respiratory Detection Panels are multiplex real-time PCR kits that can detect and differentiate 20 viruses, including 3 Flu A subtypes, and 8 bacteria pathogens. Based on proprietary C-Tag™ technology, NeoPlex™ Respiratory Infection Panels enable a single-tube PCR test for multiple pathogens and same day report from DNA/RNA extraction to analysis with high clinical performance.

NeoPlex™ Respiratory Infection Panels Single-Tube Real-Time PCR per Panel

RV-Flu/RSV (CE-IVD Marked)	RV-Panel A (CE-IVD Marked)	RV-Panel B	RB-8 (CE-IVD Marked)
Influenza A Virus (Flu A)	Influenza A Virus (Flu A)	Coronavirus OC43 (CoV-OC43)	*Streptococcus pneumoniae* (SP)
Influenza A H1N1 (Flu A-H1N1)	IInfluenza A H1N1pdm09 (Flu A-H1N1pdm09)	Coronavirus NL63 (CoV-NL63)	*Mycoplasma pneumoniae* (MP)
Influenza A H1N1pdm09 (Flu A-H1N1pdm09)	Influenza A H3N2 (Flu A-H3N2)	Coronavirus 229E (CoV-229E)	*Chlamydophila pneumoniae* (CP)
Influenza A H3N2 (Flu A-H3N2)	Influenza B Virus (Flu B)	Coronavirus HKU1 (CoV-HKU1)	*Legionella pneumophila* (LP)
Influenza B Virus (Flu B)	Respiratory Syncytial Virus A (RSV A)	Human bocavirus (hBoV)	*Haemophilus influenzae* (HI)
Respiratory Syncytial Virus A (RSV A)	Respiratory Syncytial Virus B (RSV B)	Human rhinovirus (hRV)	*Bordetella pertussis* (BP)
Respiratory Syncytial Virus B (RSV B)	Parainfluenza Virus 1 (PIV 1)	Human enterovirus (hEV)	*Bordetella parapertussis* (BPP)
	Parainfluenza Virus 2 (PIV 2)	Parainfluenza Virus 4 (PIV 4)	*Moraxella catarrhalis* (MC)
	Parainfluenza Virus 3 (PIV 3)	Human metapneumovirus (hMPV)	
	Adenovirus (AdV)		

Key Features

- High multiplex single-tube real-time PCR
- Superior clinical sensitivity and specificity
- Easy procedures for user convenience
- Fast Turnaround Time (TAT)
- Automatic analysis with NeoPlex™ Viewer
- Whole process control with extraction control
- UDG carry-over contamination prevention system (RB-8 only)

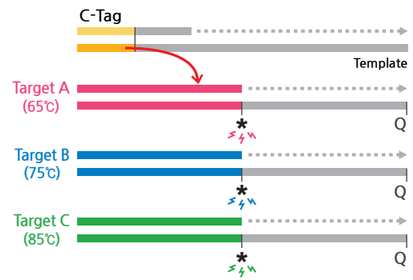
Compatible Instruments

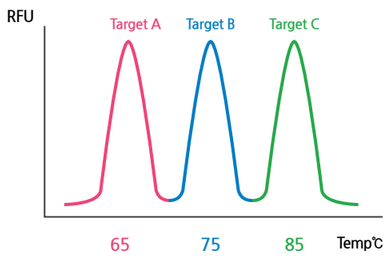
- Microlab STARlet Liquid Handling System (Hamilton)
- CFX96 Real-time PCR System (Bio-Rad)

Specimens

- Nasopharyngeal swabs
- Sputum for RB-8 only

C-Tag™ Technology





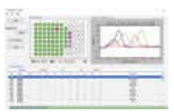
C-Tag™ Technology overcomes the limitations of conventional real-time PCR by analyzing multiple pathogens simultaneously in a single channel, offering less bench space, labor force, operational cost and TAT and ensuring quality assurance with integrated results.

Simple and Fast Workflow

DNA/RNA Extraction / 1 hr **1** — Real-Time PCR / 3,5 hr **2** — Data Analysis / 5 min **3**

Microlab STARlet

CFX96™ Real-Time PCR


NeoPlex™ Viewer

Easy Result Analysis

NeoPlex™ Viewer is an automatic analysis software for NeoPlex™ Real-Time PCR assays.

NeoPlex™ Viewer can:

- Analyze results from the melting curve
- Export analysis results in an Excel form
- Provide more convenient data sorting in the software result table

Superior Multiplexity with High Flexibility

Clinical Manifestation		RV-Flu/RSV	RV-Panel A	RV-Panel B	RB-8
Basic Testing • Initial screening for suspected viral RTI in the flu season		○			
Combination Testing	• Suspected upper respiratory tract infection		○	○	
	• Suspected lower respiratory tract infection				○
Full panel testing • High risk patients • Patients with critical care • Immunosuppressed patients			○	○	○

- With high multiplexity, **NeoPlex™ Respiratory Infection Panels** can optimize the test procedures to allow your laboratory smarter workflow, productivity, and efficiency with less space and operational costs.
- Also the laboratories can select the individual kit based on the patient characteristics, clinical symptoms, and suspected pathogens for optimized patient care with reduced costs.