

Easy and Fast



NeoPlex™

Innovative Multiplex
Real-Time PCR Assay

NeoPlex™ Respiratory Virus Panel RV-Panel A Detection

CE-IVD Marked

Simultaneous Detection of 10 Respiratory Viruses

- Influenza A Virus (Flu A)
- Influenza A H1N1pdm09 (Flu A-H1N1pdm09)
- Influenza A H3N2 (Flu A-H3N2)
- Influenza B Virus (Flu B)
- Respiratory Syncytial Virus A (RSV A)
- Respiratory Syncytial Virus B (RSV B)
- Parainfluenza Virus 1 (PIV1)
- Parainfluenza Virus 2 (PIV2)
- Parainfluenza Virus 3 (PIV3)
- Adenovirus (AdV)

Single-Tube Multiplex PCR Test
One-Step Real-Time RT-PCR
Automation Support

- **Single-Tube Real-Time RT-PCR Assay**
By Genematrix's Proprietary C-Tag™ Technology
- **High Inclusivity**
Detects and differentiates 10 major respiratory viruses that are both seasonal and nonseasonal
Provides essential screening for suspected viral respiratory tract infection
- **Superior Clinical Performance**
Clinical Sensitivity: 97.58% - 100%
Clinical Specificity: 100%
Reproducibility: 100%
- **Ease of Use**
Automated analysis with NeoPlex™ Viewer software
One-Step RT-PCR without separate cDNA synthesis step
- **Fast Turnaround Time (TAT)**
Within 4 hour from nucleic acid extraction to result analysis, enabling same-day report

Workflow

C-Tag™ Multiplex Real-Time RT-PCR

Step 1 (1 hr)
Nucleic acid Extraction



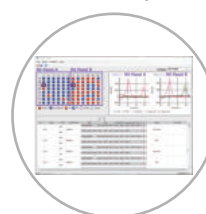
Manual or Automatic Extraction

Step 2 (2 hr 30min)
One-Step RT-PCR



CFX96™ Real-Time PCR

Step 3 (5 min)
Data Analysis



NeoPlex™ Viewer

- Simultaneous Detection of 10 Viral Respiratory Pathogens in a Single-Tube PCR Test
- Fast Turnaround: Less than 4 Hour of Analysis and Same-Day Report

Compatible Instruments

Compatible with Automatic Nucleic Acid extraction equipment
CFX96 Real-Time PCR System (Bio-Rad)

Specimens

Nasopharyngeal swab

Series Products

NeoPlex™ RV-Panel B : CoV-OC43, NL63, 229E, HKU1, hBoV, hRV, hEV, PIV4, hMPV
NeoPlex™ RV-Flu/RSV : Flu A, Flu A-H1N1, Flu A-H1N1pdm09, Flu A-H3N2, Flu B, RSV A, RSV B
NeoPlex™ RB-8 : SP, MP, CP, LP, HI, BP, BPP, MC

RV: respiratory viral pathogens, RB: respiratory bacterial pathogens

Ordering Information

Cat No.	Product	Description	Method	Size
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
NR04A	NeoPlex™ RV-Panel B Detection Kit	Simultaneous Detection of 9 Viral Respiratory Pathogens in a Single Test	Multiplex Real-Time RT-PCR	96 Tests/Kit
NR01A	NeoPlex™ RV-Flu/RSV Detection Kit	Simultaneous Detection of Influenza virus A/B, Respiratory Syncytial virus A and B in a Single Test	Multiplex Real-Time RT-PCR	96 Tests/Kit
NR02A	NeoPlex™ RB-8 Detection Kit	Simultaneous Detection of 8 Respiratory Bacteria causing Pneumonia, Pertussis and Others in a Single Test	Multiplex Real-Time PCR	96 Tests/Kit

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