

Easy and Fast



NeoPlex™

Innovative Multiplex  
Real-Time PCR Assay

NeoPlex™ Respiratory Virus Panel

# RV-Panel B Detection

CE-IVD Marked

## Simultaneous Detection of 9 Respiratory Viruses

- Coronavirus OC43 (CoV-OC43)
- Coronavirus NL63 (CoV-NL63)
- Coronavirus 229E (CoV-229E)
- Coronavirus HKU1 (CoV-HKU1)
- Parainfluenza Virus 4 (PIV4)
- Human Rhinovirus (hRV)
- Human Enterovirus (hEV)
- Human Bocavirus (hBoV)
- Human Metapneumovirus (hMPV)

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

Detection of 4 types of human coronavirus causing bronchiolitis, croup and pneumonia  
Identification of Rhinovirus of subtype A, B, C  
and respiratory infection-associated Enterovirus of subtype A, B, C, D

### ● Superior Clinical Performance

Clinical Sensitivity: 96.24% - 100%  
Clinical Specificity: 99.78% - 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



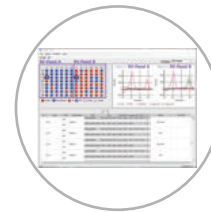
Manual or Automatic Extraction

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



CFX96™ Real-Time PCR

**Step 3 (5 min)**  
Data Analysis



NeoPlex™ Viewer

- Simultaneous Detection of 9 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 A : Flu A, Flu A-H1N1pdm09, Flu A-H3N2, Flu B, RSV A, RSV B, PIV 1, 2, 3, AdV

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         |
|---------|-----------------------------------|---|----------------------------|--------------|
| 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 |
| 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 |
| 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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