

Easy and Fast



ScmPlex™ Respiratory Bacteria Panel RB-8 Detection

CE-IVD Marked

Simultaneous Detection of 8 Respiratory Bacteria

- *Streptococcus pneumoniae* (SP)
- *Mycoplasma pneumoniae* (MP)
- *Chlamydophila pneumoniae* (CP)
- *Legionella pneumophila* (LP)
- *Haemophilus influenzae* (HI)
- *Bordetella pertussis* (BP)
- *Bordetella parapertussis* (BPP)
- *Moraxella catarrhalis* (MC)

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

● Single-Tube Real-Time PCR Reaction

C-Tag™ Technology

● High Inclusivity

Identifies 8 major bacteria that cause acute lower respiratory tract infections
Also detects *M. catarrhalis*, a common cause of pneumonia associated with COPD*
B. parapertussis is also detectable which cannot be prevented by Pertussis vaccine

*COPD: Chronic obstructive pulmonary disease

● Superior Clinical Performance

LOD : < 10-50 copies/rxn

Clinical Sensitivity: 98.4% - 100%

Clinical Specificity: 99.7% - 100%

● Ease of Use

Automated analysis with Scmplex™ 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 PCR

Step 1 (1 hr)

DNA Extraction



Manual or Automatic Extraction

Step 2 (2 hr 30min)

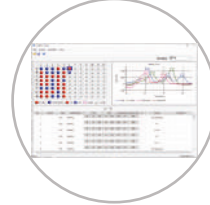
Single-Tube Real-Time PCR



CFX96™ Real-Time PCR

Step 3 (5 min)

Data Analysis



ScmPlex™ Viewer

- Simultaneous Detection of 8 Bacterial Respiratory Pathogens in a Single 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
Sputum

Series Products

ScmPlex™ RV-Panel A : Flu A, Flu A-H1N1pdm09, Flu A-H3N2, Flu B, RSV A, RSV B, PIV 1, 2, 3, AdV

ScmPlex™ RV-Panel B : CoV - OC43, NL63, 229E, HKU1, hBoV, hRV, hEV, PIV4, hMPV

ScmPlex™ RV-Flu/RSV : Flu A, Flu A-H1N1, Flu A-H1N1pdm09, Flu A-H3N2, Flu B, RSV A, RSV B

RB: respiratory bacterial pathogens, RV: respiratory viral pathogens

Ordering Information

Cat No.	Product	Description	Method	Size
SR02A	ScmPlex™ 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
SR03A	ScmPlex™ RV-Panel A Detection Kit	Simultaneous Detection of 10 Viral Respiratory Pathogens in a Single Test	Multiplex Real-Time RT-PCR	96 Tests/Kit
SR04A	ScmPlex™ RV-Panel B Detection Kit	Simultaneous Detection of 9 Viral Respiratory Pathogens in a Single Test	Multiplex Real-Time RT-PCR	96 Tests/Kit
SR01A	ScmPlex™ 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

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