

WizDx™ CrystalMix

# Pneumonia

- High Sensitivity & Specificity
- Room temperature Storage/Shipping
- Ready-to-use Lyophilized PCR Kit



## Key Features of CrystalMix Pneumonia Kit



### Anti-Carryover Technology

Prevents cross-contamination



### Hot-Start PCR Technology

Minimizes non-specific PCR reactions and increases specificity



### Enhanced-stability technology

Sustains long-term storage at room temperature



### Automated dispensing system

Maximizes reproducibility and minimizes experimental errors



### Ready-to-use, Freeze-dried form

Allows convenient storage and minimal experimental process

## High Sensitive

Limit of detection (LoD) is 0.75 copy/μL

## Easy & Accurate

Lyophilized PCR kits are very convenient to use because you can test immediately with the addition of sample DNA only, and provide more accurate results because you can drastically reduce experimental errors or contamination that may occur during the preparation process.

## Perfect Reproducibility

WizDx™ CrystalMix Pneumonia kits are precisely dispensed by fully automated dispensers in facilities certified with ISO13485 and GMP. They are supplied in lyophilized form with a single test quantity, so all kits deliver exactly the same results.

## High Specificity

Accurate inspection is possible through the specific probe design for the gap gene region of *Mycoplasma hominis* or the ureD gene region of *Ureaplasma urealyticum*.

## Convenience & Stable

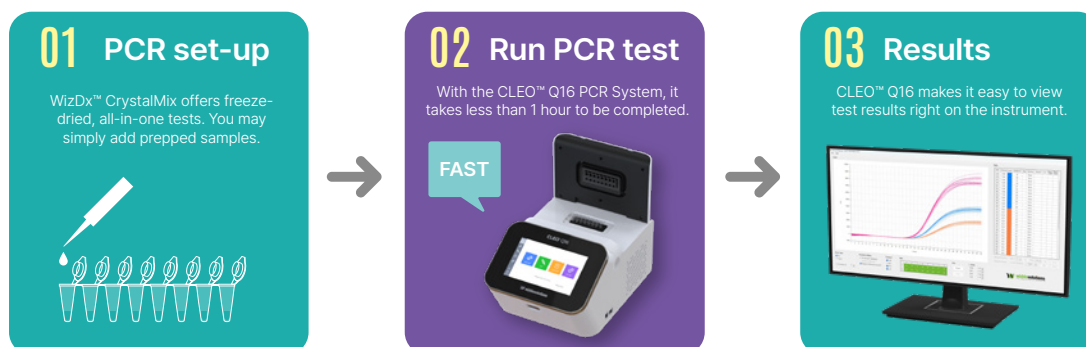
Wizbiosolution's patented HNC(Heteromorphic Nanopolymer Coating) technology applied for WizDx™ CrystalMix PCR Kit enables the reagents stored and transported at room temperature with the benefits of user-convenience and stabilization.

## Prevent Carryover-contamination

WizDx™ CrystalMix Pneumonia kit contains Uracil-DNA glycosylase (UDG) and dUTPs eliminating possible carryover contamination.



## Easy & Fast Molecular Diagnosis



## Specifications

Principle of Procedure	Real-time PCR
Target	FAM for <i>Streptococcus pneumoniae</i> , HEX for <i>Mycoplasma pneumoniae</i> , ROX for <i>Legionella pneumophila</i> , Cy5 for Internal Control
Tests for Package	96 Tests/kit
Reagent Type	Lyophilized (Freeze-dried) in PCR tube
Limit of Detection (LoD)	0.75 copies/μL
Precision	Respectively detect the reference specimen of high and low concentrations in different time ranges-10 times, and the precision values of intra-assay and inter-assay Ct values were all < 5%.
Specificity	For analytical specificity, cross-reactivity was evaluated by testing related pathogens and microorganisms that are likely to be present in the cervical, vaginal, and genital. The test was repeated three times and showed no cross-reactivity.
Sample Types	Oropharyngeal and nasopharyngeal swabs or sputum specimens
Shipping/Storage	Shipping and Storage at room temperature for 12 months
Compatible Instruments	CLEO™ Q16 (Wizbiosolutions), CFX96 (Bio-Rad), QuantStudio™ 5 (ThermoFisher)

## Ordering Information

Cat No.	Product	Package Size
DX1239	WizDx™ CrystalMix Pneumonia	96 T
CL0016	CLEO™ Q16 Real-time PCR system	1 set

MFDS License No. IVD-23-1025

