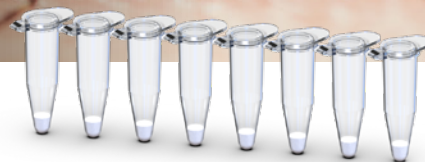


WizDx™ CrystalMix

# DENV

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



## Key Features of CrystalMix DENV 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

The limits of detection (LoD) are  $1 \times 10^9$  copies/ $\mu$ L for DENV1,  $3 \times 10^9$  copies/ $\mu$ L for DENV2,  $2 \times 10^9$  copies/ $\mu$ L for DENV3, and  $3 \times 10^9$  copies/ $\mu$ L for DENV4, respectively.

## High Specificity

Accurate detection is possible with a specific probe design that can detect all four types of Dengue virus.

## 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.

## Easy & Accurate

Lyophilized PCR kits are very convenient to use because you can test immediately with the addition of sample RNA 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 DENV kits are precisely dispensed by fully automated dispensers in facilities certified with ISO13485 and GMP. They are supplied in lyophilized form with single test quantity, so all kits deliver exactly the same results.



## Easy & Fast Molecular Diagnosis



## Specifications

<b>Principle of Procedure</b>	Real-time PCR
<b>Target</b>	FAM for the sample, CY5 for ther internal control
<b>Tests for Package</b>	96 Tests/kit
<b>Reagent Type</b>	Lyophilized (Freeze-dried) in PCR tube
<b>Limit of Detection (LoD)</b>	DENV1: 1X10 <sup>9</sup> copies/μL, DENV2: 3X10 <sup>9</sup> copies/μL, DENV3: 2X10 <sup>9</sup> copies/μL, and DENV4: 3X10 <sup>9</sup> copies/μL.
<b>Precision</b>	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%.
<b>Specificity</b>	Analytical specificity was evaluated for cross-reactivity by examining a total of 45 related pathogens and microorganisms, including viruses that cause vector-borne diseases. The test was repeated three times and showed no cross-reactivity.
<b>Sample Types</b>	Serum and plasma (EDTA)
<b>Shipping/Storage</b>	Shipping and Storage at room temperature for 12 months
<b>Compatible Instruments</b>	CLEO™ Q16 (Wizbiosolutions), CFX96(Bio-Rad)

## Ordering Information

Cat No.	Product	Package Size
DX1228	WizDx™ CrystalMix DENV	96 T
CL0016	CLEO™ Q16 Real-time PCR system	1 set

MFDS License No. IVD-23-772

