

# Igenesis DENV/CHIKV/ZIKV DENV Serotyping Kit



Make molecular diagnostic safer, faster, and easier

## Background

Dengue virus (DENV), Zika virus (ZIKV), and Chikungunya virus (CHIKV) are arboviruses that can infect humans or animals through the bite of an infected mosquito. These viruses pose a significant threat to human health, as they cause billions of infections every year. The clinical manifestations of these three viruses are similar and difficult to distinguish, and many cases are misdiagnosed as other febrile illnesses. This results in many patients dying without effective treatment.

For the Dengue serotyping detection, it is essential to identify the type of DENV in clinical settings, as different types of DENV can trigger antibody-dependent enhancement (ADE), a serious condition that can lead to severe dengue fever with life-threatening complications.

## Parameters

|                        |  |
|------------------------|--|
| Applicable instruments | Automated Fully Enclosed qPCR Instrument: Galaxy Pro and Galaxy Lite |
| Sample Type            | Human serum  |
| Turnaround Time        | With in 2 hours for extraction, amplification, and result analysis   |
| Test Method            | Magnetic beads extraction, purification, and qPCR method             |
| Storage Condition      | 2~8°C  |

### Product A

DENV/CHIKV/ZIKV

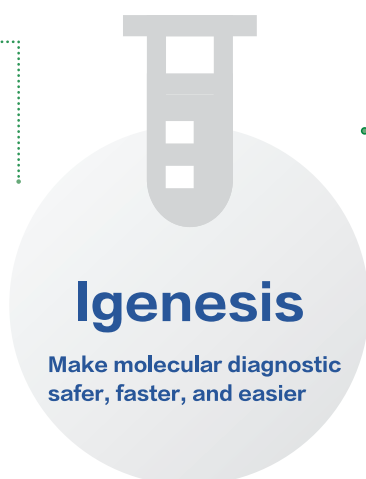
### A Target

FAM: DENV

HEX: CHIKV

TEXAS RED: ZIKV

CY5: IC



### Product B

DENV Serotyping

### B Target

FAM: DENV-1

HEX: DENV-2

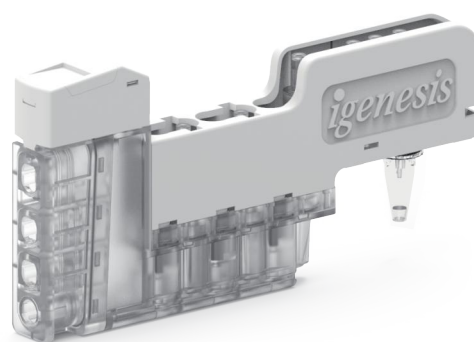
TEXAS RED: DENV-3

CY5.5: DENV-4

CY5: IC

## Advantages

- ◆ Fully enclosed iCassette
- ◆ Fully automatic, Minimal hands-on time
- ◆ No need for freezer storage or transportation
- ◆ Comprehensive multiplex panels
- ◆ Internal control monitor the entire process



## Workflow

### Easy&Fast&Safe



Add sample to the iCassette



Insert iCassette to instrument



Report result automatically

## Ordering Information

|          | Product   | Cat.No.     | Specification |
|----------|---|-------------|---------------|
| <b>A</b> | Dengue virus/Chikungunya virus/Zika virus Diagnostic Kit (PCR-Fluorescence) | 106-0044-01 | 12 tests/kit  |
| <b>B</b> | Dengue Serotyping Diagnostic Kit (PCR-Fluorescence)                         | 106-0043-01 | 12 tests/kit  |



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