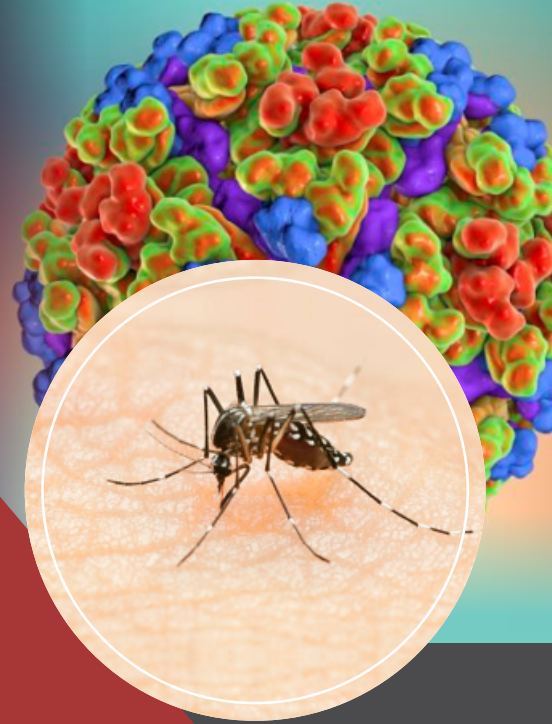
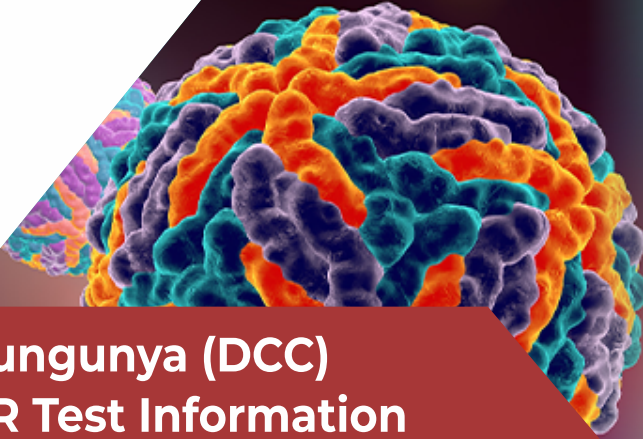




COSARA
DIAGNOSTICS
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SARAPLEX™ Dengue-Chikungunya (DCC) Real-Time PCR Test



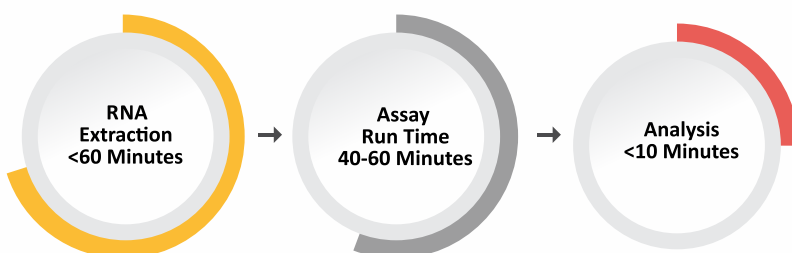
Dengue-Chikungunya (DCC) Real-Time PCR Test Information

SARAPLEX™ Dengue-Chikungunya (DCC) Real-Time PCR test is designed to be single step reverse transcriptase test for the simultaneous qualitative detection of the dengue types 1-4 (DENV) and chikungunya (CHIKV) virus specific RNA in serum or plasma from patients suspected of Dengue and/or Chikungunya Viral Infection.

Results within two hours

The DCC RT-PCR test can be performed in less than two hours. The test requires a clean, contamination free environment with Hood, Centrifuge, Pipettes and RT-PCR machine. This Kit is compatible with most RT-PCR devices with Yellow, Orange and Red channels and it can be customized to work with a myriad dyes and PCR technologies.

SARAPLEX™ DENGUE-CHIKUNGUNYA (DCC) REAL-TIME PCR TEST kit offers a fast, reliable and cost-effective solution to fight against these mosquito-borne diseases making it the preferred global solution for fast, accurate and inexpensive detection.



DCC RT-PCR KIT

- Compatible with multiple sample types.
- Contains a simple and streamlined work flow.
- Kit also includes an internal control to verify sample quality.
- Includes positive control.
- Produces results that are easy to interpret.
- Compatible with multiple platforms & sample extraction techniques.

IVD



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Sensitive, Fast and Affordable Molecular Diagnostics
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SARAPLEX™ Dengue-Chikungunya (DCC) Real-Time PCR Test Specifications

About CoDx™ Technology

The DCC Kit is developed using a revolutionary molecular diagnostics technology called CoPrimers™, a technology invented and patented by Co-Diagnostics Inc. (Utah, USA).

CoDx technology is mathematically engineered to enhance the speed, accuracy and cost-effectiveness of RT-PCR. The technology is based on cooperative theory, a mathematical model developed by Brent Satterfield, Ph.D. This model applies advanced algorithms and bioinformatics to optimize design parameters with analyte targets. In comparison with other technologies, the CoPrimers reduce the formation of primer-dimers, increase specificity and increase ability to multiplex. The Journal of Molecular Diagnostics (March 2014) introduced CoPrimers as a “new class of primer technology that greatly reduces primer-dimer propagation, showing a 2.5 million-fold improvement in reduction of nonspecific amplification.”

Application	Qualitative RT-PCR test
Sample type	Serum and Plasma
Type of detection	Presence or Absence of Dengue Virus (Dengue 1 to 4) and/or Chikungunya Virus.
Specificity	100% with no cross reactivity
Limit of Detection	30 Copies/μL for all markers
Thermal cycler compatibility	Yellow Channel (Cal Fluor® Orange 560), Orange Channel (Cal Fluor® Red 610) and Red Channel (Quasar® 670)

DCC Kit Includes

MM	Master Mix
PC	Positive Control
NC	Negative Control

Ordering Information

Product Name	Number of Reaction
SARAPLEX™ Dengue-Chikungunya(DCC) Real-Time PCR KIT	25 Rxs
	50 Rxs
	100 Rxs

* RT PCR machine available on request

The performance of the DCC RT-PCR Test has been evaluated for precision, accuracy, sensitivity, and specificity for relevant genotypes.

Intended Use:

For detection of Dengue Virus (Dengue Type 1 to 4) and/or Chikungunya Virus.



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