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DIAGNOSTICS
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SARAGENE™ Chikungunya Virus (CHIKV) Real-Time PCR Test

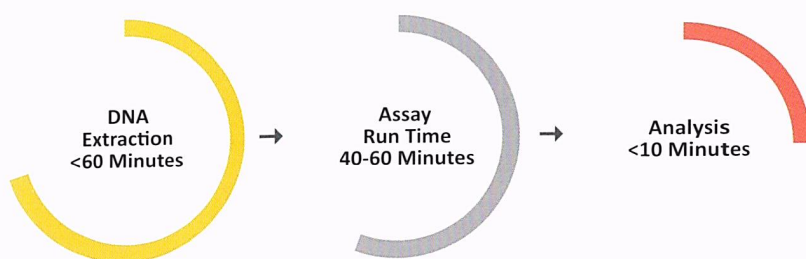
Chikungunya Virus (CHIKV) Real-Time PCR Test Information

The Chikungunya (CHIKV) real-time polymerase chain reaction (RT-PCR) Kit is designed to be a single step reverse transcriptase test for detection of Chikungunya virus in serum or plasma from patients suspected of Chikungunya viral infection.



Results within two hours

The CHIKV tests can be performed in less than two hours. The test requires a clean, contamination free environment with a hood, centrifuge, pipettes and RT-PCR machine. The test is compatible with most RT-PCR devices with red and orange channels and it can be customized to work with a myriad dyes and PCR technologies.



CHIKV RT-PCR KIT

- Compatible with multiple platforms and sample extractions
- Simple and streamlined work flow
- Includes internal control to verify sample quality
- Includes positive control
- Produces results that are easy to interpret

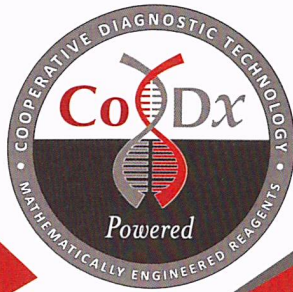
IVD



Sarabhai Campus,
Opp. Ranoli Railway Station,
Ranoli - 391350, Dist. Vadodara, India.

Sensitive, Fast and Affordable Molecular Diagnostics

info@cosara.in | www.cosara.in



SARAGENE™ Chikungunya Virus (CHIKV) Real-Time PCR Test Specifications

About CoDx™ Technology

The CHIKV 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 or plasma
Type of detection	Presence or absence of Chikungunya virus
Specificity	100% with no cross reactivity
Limit of Detection	10 copies/uL (100%)
Thermal cycler compatibility	Most RT-PCR systems with the following channel compatibilities: RED(Q670) and ORANGE (CAL FLUOR Red 610)

CHIKV Kit Includes

MM	Master Mix
PC	Positive Control
NC	Negative Control

Ordering Information

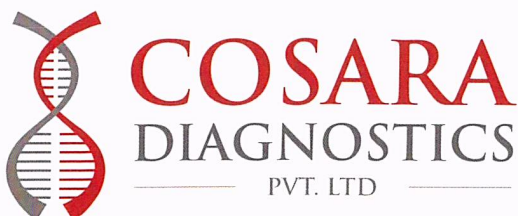
Product Name	Number of Reaction
CHIKV Kit	25 RxS
	50 RxS
	100 RxS

* RT PCR machine available on Request

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

Intended Use:

For the Detection of Chikungunya Virus



Reg. Office :
Shantisadan, Mirzapur Road,
Ahmedabad - 380 001, India.

Factory Address : Sarabhai Campus,
Opp. Ranoli Railway Station,
Ranoli - 391350, Dist. Vadodara, India.

www.cosara.in | General Inquiries : info@cosara.in