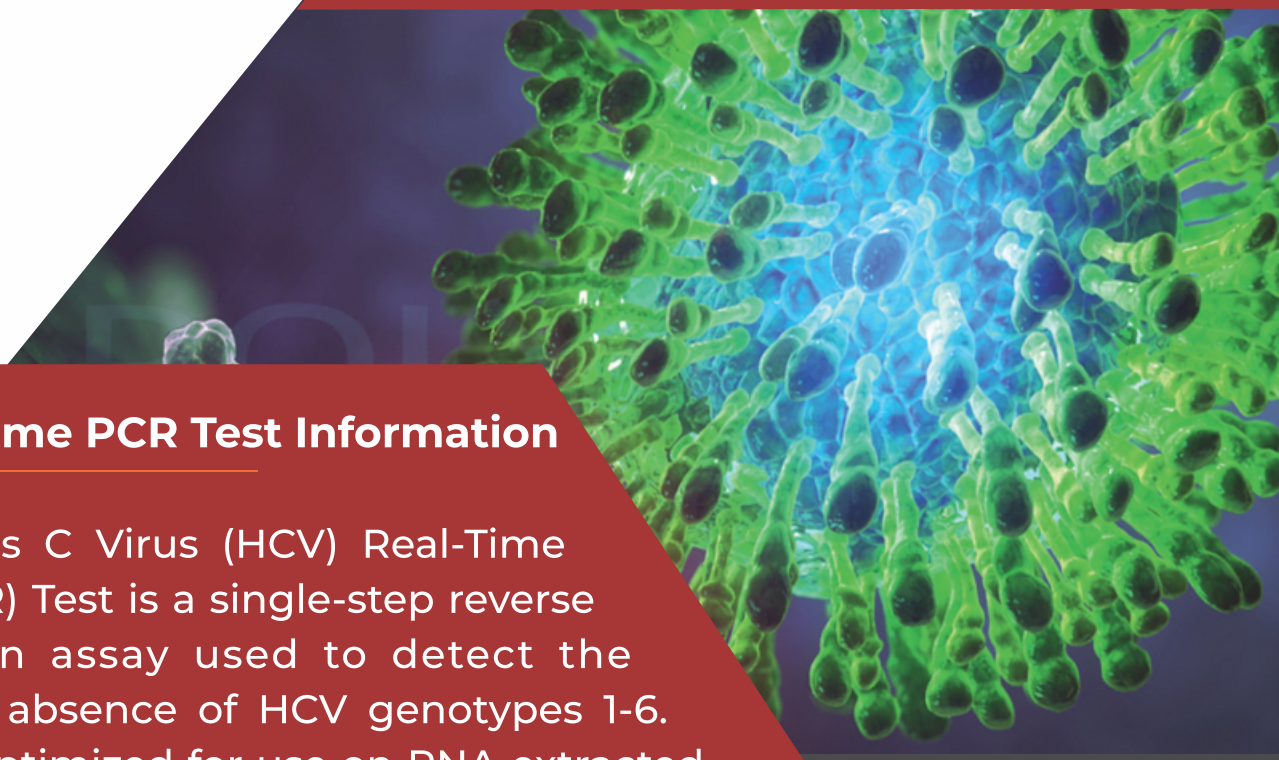
COSARA DIAGNOSTICS PVT. LTD

SARAGENE™ Hepatitis C Virus Real-Time PCR Test



HCV Real-Time PCR Test Information

The Hepatitis C Virus (HCV) Real-Time PCR (RT-PCR) Test is a single-step reverse transcription assay used to detect the presence or absence of HCV genotypes 1-6. This test is optimized for use on RNA extracted from serum or EDTA plasma samples.

Results within three hours

The HCV tests can be performed in less than three 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.

HCV RT-PCR KIT

- Compatible with multiple sample types, platforms
- Simple and streamlined work flow
- Single-step reverse transcription
- 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™ Hepatitis C Virus

Real-Time PCR Test Specifications

Application	Qualitative reverse transcriptase RT-PCR
Sample type	EDTA Plasma or Serum
Type of detection	Presence or absence of the untranslated region of HCV
Specificity	HCV genotypes 1-6
Limit of Detection	**Gene Marker**: *UTR*; **Limit of Detection** (copies/µL): 10
Thermal cycler compatibility	Most RT-PCR systems with the following channel compatibilities: Red (Quasar®670) and Orange (CAL Fluor® Red 610)

About CoDx™ Technology

The HCV 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."

HCV Kit Includes

MM	Master Mix
PC	Positive Control
NC	Negative Control

Ordering Information

Product Name	Number of Reaction
SARAGENE™ HCV Real-Time PCR KIT	25 Rxs
	50 Rxs
	100 Rxs

*** RT PCR machine available on request**

The performance of the HCV RT-PCR Test has been evaluated for precision, accuracy, sensitivity, and specificity for relevant HCV genotypes 1-6.

Intended Use: For the Detection of Hepatitis C Virus (HCV)

IVD

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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
Technical Support: support@cosara.in