



GenplexTM

Hepatitis C Virus (HCV)

Quantitative RT-PCR Detection Kit



Hepatitis C Virus
(HCV RT-PCR KIT)

Genplex™ HCV RT-PCR KIT

Quantitative RT-PCR Detection Kit

About Hepatitis C Virus (HCV)

Hepatitis C Virus (HCV) is an RNA virus that primarily infects liver cells (hepatocytes) and can lead to both acute and chronic liver infections. While some infections may remain asymptomatic, chronic HCV infection can result in serious complications such as liver cirrhosis, liver failure, and hepatocellular carcinoma (liver cancer).

HCV is a major global health concern and is primarily transmitted through contact with infected blood and body fluids, including unsafe injections, blood transfusion, needle sharing, and less commonly through sexual contact.

Key Features

High Sensitivity & Specificity: $\geq 100\%$

Accurate Viral Detection: Reliable detection and quantification of HCV RNA

Broad Instrument Compatibility:

Validated for use on almost all RTPCR instrument available in Market including Thermacyte X16, X96 a Probgen Brand

Sample Types : Plasma Serum

Genplex™ HCV Real Time PCR Kit

A comprehensive real-time PCR-based in vitro diagnostic assay designed for the quantitative detection of Hepatitis C Virus (HCV) RNA in clinical specimens, including plasma and serum.

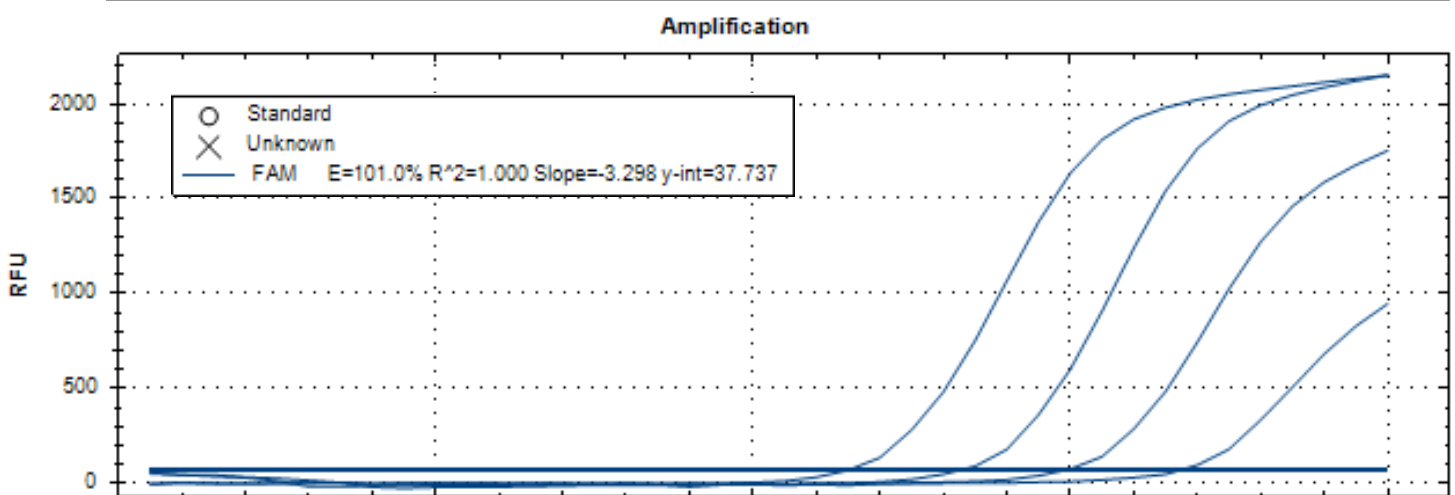
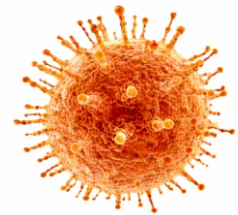
This assay enables accurate and sensitive quantification of HCV viral load, facilitating early diagnosis and effective clinical management of HCV infection. It supports disease monitoring, assessment of antiviral treatment response, and evaluation of disease progression, including the risk of chronic liver disease, cirrhosis, and hepatocellular carcinoma.

Genplex™ HCV Real Time PCR Kit

Singleplex diagnostic kit is designed for quantitative detection of Hepatitis C Virus (HCV) RNA using specific primers and fluorescent labeled probes for accurate viral load measurement.

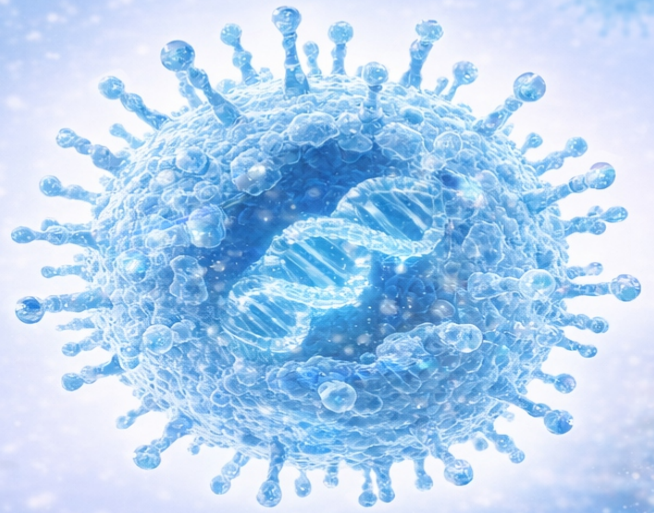
Key Highlights

- Targeted Detection Capability
Specific detection and quantification of Hepatitis C Virus (HCV) RNA in a single assay
- High Sensitivity & Specificity
Ensures accurate and reliable detection across diverse HCV genotypes
- Wide Dynamic Range
Enables precise quantification across low to high HCV RNA concentrations
- Quantification Standards (QS1–QS4)
Includes four calibrated standards with defined HCV RNA concentrations for generation of a standard curve and accurate viral load quantification
- Broad Instrument Compatibility
Validated for use on major RT-PCR platforms including Thermacyte X16 & X96 (Probgen)



GENPLEX™ HCV

QUANTITATIVE RT-PCR KIT



Accurate Quantification | Reliable Performance | Advanced Diagnostics

This kit is designed for quantitative detection of Hepatitis C Virus (HCV) RNA from clinical samples such as plasma and serum.

Key Features:

- High sensitivity and specificity
- Internal control included
- Accurate viral load quantification
- Compatible with multiple PCR platforms

Intended Use:

Ordering Information

Product Name	Cat No.	Pack Size
Genplex™ Hepatitis C Virus (HCV) RT-PCR KIT	GP1048	48
Genplex™ Hepatitis C Virus (HCV) RT-PCR KIT	GP1049	96



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