

Hepatitis C Virus (HCV) Nucleic Acid Detection Kit (Fluorescence PCR Method)

This kit is used for the quantitation of hepatitis C virus (HCV) in Human serum samples. HCV, a positive-sense single-stranded RNA virus, can cause both acute and chronic infection. The HCV DNA quantitative detection technology makes us understand the infectivity and in vivo replication more directly. The positive result of HCV-RNA is the most reliable indicator of replication and an important indicator of infection state and therapeutic effect.

This kit is only used for monitoring the level of HCV replication and is applicable for patients with hepatitis C who receive antiviral therapy. It cannot be used for blood screening. The result should not be used as the sole criterion for disease evaluation. It should be used in conjunction with clinical manifestation and other detection methods for comprehensive disease evaluation.

FEATURES



Wide Coverage

Concurrently detects HCV 1/1a/1b/2/2a/2b/3



High Sensitivity

Lower limit of detection is 30IU/ml, limit of quantitation is 50IU/ml



Internal Control

The use of internal control system in the kit can effectively prevent false negative results



User-friendly

Widely applicable in instruments with FAM and VIC channels



High Precision

The coefficient of variation of the Ct values (CV%) is less than 5%

SPECIFICITY

PCR specificity has been evaluated on various viruses and bacteria. This kit can concurrently detect HCV 1/1a/1b/2/2a/2b/3, and has no cross reaction with other pathogens.

| | Strain | Tianlong Hepatitis C Virus (HCV) Nucleic Acid Detection Kit (Fluorescence PCR Method) |
|-------------|--|---|
| Specificity | Viruses: Hepatitis B virus(HBV), Hepatitis E virus(HEV), Human herpes virus-type4(EB), Human cytomegalovirus (HCMV), Hepatitis A virus(HAV), Herpes simplex virus type 1(HSV- I), Herpes simplex virus type 2(HSV- II) | Not detected |
| | Bacteria: Mycobacterium tuberculosis(TB), Candida albicans and Staphylococcus aureus | Not detected |

ORDERING INFORMATION

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|----------------------|--|
| Product Name | Hepatitis C Virus (HCV) Nucleic Acid Detection Kit(Fluorescence PCR Method) |
| Cat.No | P100H |
| Specification | 32T/Kit |
| Specimen | Serum |
| Storage & Validity | -25°C~-15°C for 12 months |
| Applicable Equipment | Instruments with FAM and HEX/VIC channels, such as ABI7500 real time PCR systems, Tianlong Gentier real time PCR systems |

ASSAY WORKFLOW



Version 3.0

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Tianlong Science and Technology

Mail: inquiry@medtl.com

Phone: 86 029 82682132

Website:www.medtl.net

Address: No. 4266 Shanglin Road, Xi'an, China