TRIVITRON HEALTHCARE

speaking your language

TRIPLE H (HIV/HCV/HBV)

MULTIPLEX REAL TIME PCR KIT

- Single tube multiplex RT-PCR based detection of HIV, HBV and HCV in one single test.
- High Quality Reagents for Increased Tolerance, Thermostability, and Reproducibility
- Turnaround time within 100 minutes
- Compatible with all Real-Time PCR Instruments
- Make-in-India, cost effective product compared to imported kit

CERTIFIED ISO 9001:2015 COMPANY

ISO 13485:2016

APPROVED BY CDSCO

TRIPLE H (HIV/HCV/HBV) MULTIPLEX REAL TIME PCR KIT

India, with approximately 2.4 million cases of HIV infection, harbours the second highest number of these patients in the world. The prevalence of Hepatitis B surface antigen (HBsAg) is 3-4% with over 40 million HBV carrier, whereas it is estimated that there are 6-12 million people with Hepatitis C in India.

- HIV, the virus linked to AIDS, damages vital CD4+ T cells, and weakens the immune system. Hepatitis B is a liver disease caused by the HBV, leading to lifelong infection, liver cirrhosis, cancer, and potential fatality. Hepatitis C, caused by the HCV, also results in persistent infection and poses risks of cirrhosis and liver cancer.
- HCV, HIV, and HBV are blood borne viruses that cause notifiable diseases, which consume health resources and have public health implications.

- There are 21.4% cases of HIV co-infection with either HBV or HCV and 3.3% in HIV-negative have been reported hence, it is imperative to use the kit that can simultaneously detect all the three pathogen in one single test.
- This kit will helpful for the blood donor screening or screening of HIV/HBV/HCV in any patients during hospitalization or before any surgical procedure.
- Once the patients come in contact with HIV, HBV or HCV the window period of detection by serological test (Ag/Ab) is more than 4-12 weeks.
- Nucleic Acid Testing (NAT), particularly RT-PCR, is preferred for detection of HIV, HCV, and HBV over the tests that detect antibodies.
- The NAT based test reduces the window period significantly from 4-12 weeks to 2-4 week.
- This kit detects HIV-1 groups M, N and O, HBV Genotype A-H, and HCV Genotypes 1- 6 in human plasma or serum specimens.

Intended Use: The RT PCR kit developed by Trivitron Healthcare Pvt. Ltd. is used for qualitative detection of HIV, HBV and HCV in Serum / Plasma sample

Sample type: Plasma / Serum

Available Pack size: Rxn : 25rxn, 50rxn, 100rxn.

Target Channels: HIV (TexRed), HCV (Hex), HBV (Fam) and IC (Cy5)

Principle of the Test

This Triple H kit is based on the real-time PCR utilizing Taqman probe chemistry for the amplification of conserved regions of HIV, HCV and HBV using specific primers and fluorescence labelled probes. The amplified product is detected by the generation of fluorescent signals from target specific fluorescence labelled probes. Besides, target based specific Primer-probe, for Bacteriophage gene serves as an Internal Control (IC).

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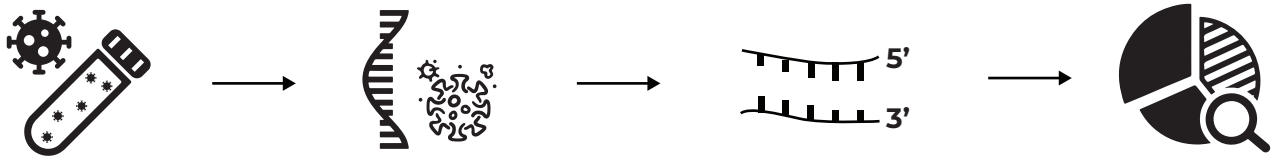
Kit Content

Tube	Content
1	Enzyme Mix (EM)
2	Primer probe Mix (PPM) for Triple H detection
3	Multiplex Positive Control - (Mix PC)
4	Internal Control (IC)
5	Nuclease Free Water (NFW)

Assay Workflow



Serum/ Plasma Sample

Viral Nucleic acid extraction

Reverse Transcription (RT) & Real - Time PCR amplification

Results

Ordering Information

Product Name	Triple H (HIV/HBV/HCV) Multiplex RT-PCR Kit	Triple H (HIV/HBV/HCV) Multiplex RT-PCR Kit	Triple H (HIV/HBV/HCV) Multiplex RT-PCR Kit
Cat. No.	DVZ-30076	DVZ-30077	DVZ-30078
Specification	25rxn/Kit	50rxn/Kit	100rxn/Kit
Specimen	Serum/Plasma		
Storage	-25° C to -15° C		
Applicable Equipment	QuantStudio-5/3, Bio-Rad CFX96, 384, Applied Biosystems 7300/7500, Roche Diagnostics LightCycler 96/480, Qiagen Rotor-Gene Q		

THPL-VA-BROCH-HHH-0003/01

*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.

IVD

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