

Patient NAME
DOB/Age/Gender
Patient ID / UHID
Referred BY
Sample Collected

Report STATUS :
Barcode NO :
Sample Type :
Report Date :



Hepatitis B (HBV) Viral Load By RT PCR

Test Name	Result	Unit	BRI	Method
Hepatitis B (HBV) Viral Load	2022000	IU/mL	Refer Table	RTPCR
Log Value	6.3			

Interpretation:

Result	Comments
Target Not Detected	HBV DNA Not Detected in the specimen
Below Linear Range	HBV DNA Detected, less than 100 IU/mL
100 IU/mL - 10,00,00,00,000 IU/mL	HBV DNA Detected within the linear range of the assay
>10,00,00,00,000 IU/mL	HBV DNA Detected above the linear range of the assay

RTPCR- Real Time Polymerase Chain Reaction

Limit of Detection (LOD)- 13.9 IU/mL

Clinical Background:

The hepatitis B virus (HBV) is a small DNA virus of Hepadnaviridae family. Hepatitis B virus infection can lead to a wide spectrum of liver disease ranging from acute (including fulminant hepatic failure) to chronic hepatitis, cirrhosis, and hepatocellular carcinoma. Acute HBV infection can be either asymptomatic or patients may present with symptomatic acute hepatitis. Most individuals infected with the virus recover completely, however, 5%–10% are unable to clear the virus and become chronically infected. Among these chronically infected persons, majority have mild liver disease with little or no long-term morbidity or mortality. Other individuals with chronic HBV infection develop active disease, which can progress to cirrhosis and can even lead to liver cancer. These patients require careful monitoring and warrant therapeutic intervention. Extrahepatic manifestations of HBV infection are rare but can be difficult to diagnose and manage.

Note:

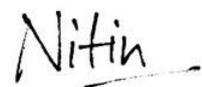
1. This test is intended for use in conjunction with clinical presentation and other laboratory markers as an indicator of disease prognosis.
2. An interpretation of the "Not Detected" HBV DNA test result in conjunction with a positive anti-HBV antibody status does not exclude the possibility of a resolved HBV infection.
3. Test performed on IVD,CE approved kit.

Limitation:

1. PCR is a highly sensitive technique; common reasons for paradoxical results are contamination during specimen collection, selection of inappropriate specimen and inherent PCR inhibitors in the sample.
2. The "Not Detected" result does not rule out the presence of inhibitors in the patient specimen or HBV DNA concentration below the level of detection of the test. Care should be taken when interpreting any single viral load determination.

*** End Of Report ***

Note: This is a sample report for illustrative purpose only. Actual report may vary



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