

HEPATITIS B VIRAL (HBV DNA), QUANTITATIVE REAL TIME PCR

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Interpretation

RESULT in IU/mL	REMARKS
Target not detected	Sample provided does not contain HBV DNA
<20	HBV DNA detected, but below the lower limit of linear range of the assay. These results should be interpreted with caution
≥ 20 to $< 1.7 \times 10^8$	HBV DNA detected within the linear range of the assay
$\geq 1.7 \times 10^8$	HBV DNA detected above the linear range of the assay

Note:

1. Linear reporting range of the assay is 20 - 1.7×10^8 IU/mL
2. Conversion factor: 1 IU/mL = 5.82 copies / mL
3. Test conducted on Serum / Plasma
4. This test is not intended for use as a screening test for the presence of HBV in blood or blood products or as a diagnostic test to confirm the presence of HBV infection
5. HBV genotyping and Drug resistance is recommended in positive cases if value is >2000 IU/mL

Comments

Hepatitis B Virus (HBV) is a member of Hepadna virus family transmitted primarily by body fluids especially serum; sexual transmission and transmission from mother to baby. Majority of the infected individuals recover completely; about 1-2% have persistent viral replication leading to chronic hepatitis. Frequency of chronic HBV infection is 5-10% in immunocompromised patients and 80% in neonates.

Uses

- Monitoring response to therapy in chronic HBV infection
- Predict response to favourable treatment outcome
- A valuable tool when used in conjunction with other serological markers in the management of HBV infection