

Patient Name : Mr Dummy
DOB/Age/Gender : 50 Y/Male Bill Date : Feb 10, 2024, 02:59 PM.
Patient ID / UHID : XXX Sample Collected : Feb 10, 2024, 05:16 PM.
Referred By : Dr. Sample Received : Feb 10, 2024, 06:51 PM.
Sample Type : EDTA Plasma Report Date : Feb 13, 2024, 04:06 PM.
Barcode No : XXX Report Status : Final Report

MOLECULAR DIAGNOSTICS REPORT
Hepatitis B (HBV) Viral Load By RT PCR

Test Name	Result	Log Value (Log IU/mL)	Units
Hepatitis B (HBV) Viral Load	680	2.83	IU/mL

Interpretation:

Result	Comments
Target Not Detected	HBV DNA Not Detected in the specimen
Below Detection Limit	HBV DNA Detected, less than 13.9 IU/mL
13.9 IU/mL - 10,00,00,00,000 IU/mL	HBV DNA Detected within the linear range of the assay
Above 10,00,00,00,000 IU/mL	HBV DNA Detected above the linear range of the assay

Method:

Real-Time Polymerase Chain Reaction (RT-PCR)- Quantitative

Biological Reference Range:

Not Detected

Clinical Background:

Hepatitis B is a viral infection that attacks the liver and can cause both acute and chronic disease. The virus is most commonly transmitted from mother to child during birth and delivery, as well as through contact with blood or other body fluids during sex with an infected partner, unsafe injections or exposure to sharp instruments.

WHO estimates that 296 million people were living with chronic hepatitis B infection in 2019, with 1.5 million new infections each year.

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.


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.


Reference:

1. <https://www.who.int/news-room/fact-sheets/detail/hepatitis-B>

Disclaimer: This is a sample report. The method and reference range in the actual report might vary as per lab accreditation or certification and equipments where sample is processed.


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All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.