PROCESSED AT :
Thyrocare

CAP ACCREDITED
COLLEGE of AMERICAN PATHOLOGISTS

Thyrocare
Tests you can trust

Corporate office : Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400 703
022 - 3090 0000 / 6712 3400 9870666333 wellness@thyrocare.com www.thyrocare.com

REPORT

NAME : XXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXX
TEST ASKED : HBV QUANTITATIVE PCR

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	Viral Load	UNITS	Log $_{10}$ Value
HEPATITIS B VIRUS (HBV) QUANTITATIVE PCR	1517	IU/mL	3.18

Interpretation

Target Not Detected (TND)	HBV DNA was not detected in the patient specimen
< 150 IU/mL	HBV DNA detected below the linear range of the assay
150 to 1.00 x 10^7 IU/mL	HBV DNA detected within the linear range of the assay
>1.00 x 10^7 IU/mL	HBV DNA detected above the linear range of the assay

The performance of this test has been validated at Department of Molecular Biology Laboratory, Thyrocare Technologies Limited, Navi Mumbai.

Indications

The direct detection of HBV DNA in plasma/Serum has become an important tool in the diagnosis of HBV infection. Furthermore, HBV DNA level may be an important prognostic indicator as well as an important marker for measuring therapeutic response and the development of resistance to antiviral agents. Chronic HBV carriers are at increased risk for the development of cirrhosis and hepatocellular carcinoma.

Methodology

HBV detection by polymerase chain reaction (PCR) is based on the amplification of specific regions of the HBV genome.In real Time PCR the amplified product is detected via fluorescent dyes.

Clinical significance

1. Quantification of HBV DNA in human plasma/Serum of patients with HBV infection.
2. Monitoring disease progression and response to anti HBV therapy in HBV infected patients.

Limitation of the assay

1. Presence of PCR inhibitors may interfere with PCR amplification.
2. This test is not intended for use in the initial diagnosis or confirmation of HBV infection.

Disclaimer

1. This test is intended for use in conjunction with clinical presentation and other laboratory markers as an indicator of disease prognosis.
2. Improper specimen collection, handling, storage and transportation may results in false negative results.
3. The report represents only the specimen received in laboratory.

References

1. WHO guidelines on Hepatitis B and Hepatitis C testing. Geneva:World Health Organization; 2017.
2. AltoStar® HBV PCR Kit 1.5 Instructions for Use.

~~ End of report ~~

Sample Collected on (SCT) : Sample collection time
Sample Received on (SRT) : Sample receiving time at Lab
Report Released on (RRT) : Report release time
Sample Type : EDTA
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

CONDITIONS OF REPORTING

- The reported results are for information and interpretation of the referring doctor only.
- It is presumed that the tests performed on the specimen belong to the patient; named or identified.
- Results of tests may vary from laboratory to laboratory and also in some parameters from time to time for the same patient.
- Should the results indicate an unexpected abnormality, the same should be reconfirmed.
- Only such medical professionals who understand reporting units, reference ranges and limitations of technologies should interpret results.
- This report is not valid for medico-legal purpose.
- Neither Thyrocare, nor its employees/representatives assume any liability, responsibility for any loss or damage that may be incurred by any person as a result of presuming the meaning or contents of the report.
- Thyrocare Discovery video link :- https://youtu.be/nbdYeRgYyQc
- For clinical support please contact @8450950852,8450950853,8450950854 between 10:00 to 18:00

EXPLANATIONS

- Majority of the specimen processed in the laboratory are collected by Pathologists and Hospitals we call them as "Clients".
- **Name** - The name is as declared by the client and recored by the personnel who collected the specimen.
- **Ref.Dr** - The name of the doctor who has recommended testing as declared by the client.
- **Labcode** - This is the accession number in our laboratory and it helps us in archiving and retrieving the data.
- **Barcode** - This is the specimen identity number and it states that the results are for the specimen bearing the barcode (irrespective of the name).
- **SCP** - Specimen Collection Point - This is the location where the blood or specimen was collected as declared by the client.
- **SCT** - Specimen Collection Time - The time when specimen was collected as declared by the client.
- **SRT** - Specimen Receiving Time - This time when the specimen reached our laboratory.
- **RRT** - Report Releasing Time - The time when our pathologist has released the values for Reporting.
- **Reference Range** - Means the range of values in which 95% of the normal population would fall.

SUGGESTIONS

- Values out of reference range requires reconfirmation before starting any medical treatment.
- Retesting is needed if you suspect any quality shortcomings.
- Testing or retesting should be done in accredited laboratories.
- For suggestions, complaints or feedback, write to us at **info@thyrocare.com** or call us on **022-3090 0000 / 6712 3400**
- SMS:<Labcode No.> to **9870666333**