



36170117418

Mr. OWUSU ERNEST

Tel No : 123

PID NO: P36170017281

Age: 39 Year(s) Sex: Male

Reference: Dr. POWER SPECIALIST
CLINICSample Collected At:
Ghana

VID: 36170117418

Registered On:

13/11/2017 04:52 PM

Collected On:

13/11/2017 10:22 PM

Reported On:

18/11/2017 09:49 AM

HBV-Hepatitis B Viral load(Quantitative)

Test Principle

: Real Time PCR

Target Selected

: Highly conserved pre-Core/Core region of the HBV genome across A-G genotypes is selected for amplification & detection.

Equipment

: COBAS AmpliPrep and COBAS TaqMan

Result :

HBV - Hepatitis B Viral load (Quantitative)	752 IU/mL
Log Value	2.88
HBV - Hepatitis B Viral load	4377 copies/ml

Result Interpretation:

Result (IU/ml)	Log Value	Comments
Target Not Detected	Not Applicable	HBV DNA Not Detected
Below 20 IU/ml	Below 1.30	HBV DNA Detected, less than 20 HBV DNA IU/ml
> 20 - 170000000	1.30 - 8.23	HBV DNA Detected within the linear range of the assay
Above 170000000	Above 8.23	HBV DNA Detected above the linear range of the assay

Note:

- This assay is a quantitative assay used for monitoring patients on therapy and not qualitative assay used for screening. Hence a Target Not Detected result should not be considered as HBV status Negative for the patient.
- Quantitative viral load results are best reflected when reported using log transformed units. Logarithmic expression best reflects the process of viral replication and is less subject to over interpretation of non-clinically significant (minor) changes.

Test Details:

Limit of Detection: 20 IU/ml
 Measuring Range: 20 - 170000000 IU/ml
 Conversion Factor: 1 IU/ml - 5.82 copies/ml

Clinical utility:

- Determine need to treat chronic HBV infection
- Indicator of chronic hepatitis
- Monitor virological response to therapy
- Demonstrate viral replication in patients with mutant HBV
- Predict likelihood of response to therapy

Refer to conditions of reporting overleaf

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