

# GILEAD MEDICAL AND DENTAL CENTRE

## LABORATORY REPORT

Patient Name : AMATOR KANYOKE JUNIOR

Sample ID : GM18040401543

Gender / Age : MALE /28 YEARS

Sample Date :04-APRIL-2018

Consulting Doctor : DR. CATHERINE ADU-SARKODEE

Specimen : BLOOD

### HCV-HEPATITIS C VIRAL LOAD(QUANTITATIVE)

TEST PRINCIPLE: TAQMAN REAL TIME PCR

**TARGET SELECTED:** Highly conserved sequence in the pre-Core/Core region of the HBV genome across A-G genotypes is selected for amplification and detection.

**EQUIPMENT:** COBAS AmpliPrep and COBAS TaqMan

#### RESULTS:

HBV- Hepatitis B Viral load(Quantitative)	449 IU/mL
Log Value	2.65
HBV- Hepatitis B Viral load	2613 copies/ml

#### Results Interpretation

Results(IU/MI)	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 assay
Above 170000000	Above 8.23	HBV DNA Detected above the linear range of assay

#### Note:

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

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### **Test Details**

**Limit of Detection:** 20 IU/ml

**Measuring Range:** 20-170000000U/ml

**Conversion Factor:** 1 IU/ml = 5.82 copies/ml

**electronically signed by BIOMEDICAL SCIENTIST.**