

BIOMED PHNOM PENH

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MEDICAL ANALYSIS LABORATORY

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PHNOM-PENH, : 09-Jun-2025

Speciment No. : 250609125

Collection : Biomed

NAME : SAO RAMORN
COME FROM : PHNOM PENH

AGE : 36 SEX : Male

BIOCHEMISTRY

Glucose	: 91	mg/dL	(Ref: 74-109)
Total Cholesterol	: 193	mg/dL	(Ref: < 200)
HDL-Cholesterol	: 61	mg/dL	(Ref: 45 - 65)
LDL-Cholesterol	: 110	mg/dL	(Ref: < 100)
Triglyceride	: 78	mg/dL	(Ref: < 200)
Uric Acid	: 7.7	mg/dL	(Ref: 3.4 - 7)

ENZYMOLOGY

AST (Aspartate Aminotrans.)	: 21	U/L	(Ref: 0 - 40)
(11-07-2022 : 30)			
ALT (Alanine Aminotrans..)	: 14	U/L	(Ref: 0 - 41)
(11-07-2022 : 33)			
GGT (Gamma Glutamyl Transferase)	: 12	U/L	(Ref: 10 - 71)

SEROLOGY

SEROLOGY OF HEPATITIS B (Cobas e601)

HBs Antigen Quantitative	: POS 4528.0	UI/ML	(NR: < 0.05)
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THE LEADER IN MOLECULAR DIAGNOSIS IN CAMBODIA

Biomed ID	250609125
BiomedNK ID	P 167

Patient's name SAO RAMORN

Age 36 Year Sex M

Provenance PHNOM PENH

Type of Sample Blood (Serum)

Test request **Quantitative PCR for HBV-DNA**

Date of receiving the sample 06/09/2025

Date of carrying out the test 06/09/2025

Investigator Brachnha, Tang Van Hoa

Equipment to do the realtime PCR The CFX96 from Biorad (USA)

Method to do the real-time PCR

- Taqman probe labeled with FAM to detect HBV-DNA. Taqman probe labeled with Hex to detect the internal control DNA that is extracted with the sample.
- The quantitation of HBV-DNA is carried out based on the 3 standards: S1: 1000, S2: 10.000, and S3: 100.000 IU (International per Unit) that are real-time detected with the sample's DNA

Cycle sequencing reaction Big-Dye 3.1 (USA)

Sequencer ABI 3130 (USA)

Analysis software SeqScape v. 2.5 (USA)

Limit of detection 200 copies/ml or 50 IU/ml

REPORT

The viral load (copies/ml) = Under the detected limit

The viral load (log₁₀) = Under the detected limit

The viral load (IU/ml) = Under the detected limit

The genotype

Comments

The HBV in patient serum is under the detected limit

Patient needs to show this report to the physician to receive the appropriate comment for situation of infection

Phnom Penh City, June 09 2025

Technical of the laboratory and analysis



Dr. HENG NAY YIM