Test Definition: FHBG

Hepatitis B Virus Genotype

Overview

Method Name

Polymerase Chain Reaction/Sequencing

NY State Available

Yes

Specimen

Specimen Type

Plasma EDTA

Specimen Required

Draw blood in lavender (EDTA) tube(s). Spin down and send 2 mL plasma frozen in a plastic vial.

Required: 1. Viral Load

2. Viral Load Date

Note: Red-top serum and serum gel tube(s) are acceptable.

Note: This test may be unsuccessful if the HBV Viral load is less than log 3.0 or 1,000 IU/mL of plasma.

Specimen Minimum Volume

0.5 mL

Reject Due To

Hemolysis:	NA
Thawing:	Warm OK; Cold OK
Lipemia:	NA
Icterus:	NA
Other:	Heparinized specimens

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Plasma EDTA	Frozen (preferred)	42 days	
	Refrigerated	7 days	
	Ambient	72 hours	

Clinical and Interpretive

Reference Values

Interpretive Information: Hepatitis B Virus Genotype

HBV genotype and resistance interpretation is provided by SeqHepB software from Evivar Medical. The following mutations are reported: reverse transcriptase L80I/V, Il69T, V173L, L180M, A181S/T/V, T184A/C/F/I/G/S/M/L, S202C/G/I, M204I/V, N236T, M250I/L/V; surface antigen P120T, D144A, G145R.

Both the HBV RT polymerase and the HBsAg encoding regions are sequenced. Resistance and surface antigen mutations are reported. In addition, the major HBV genotypes are identified. Mutations in viral sub-populations below 20% of total may not be detected.

This test is performed pursuant to a license agreement with Roche Molecular Systems, Inc.

Performance

PDF Report

No

Day(s) Performed

Tuesday, Friday

Report Available

10 to 21 days

Performing Laboratory Location

ARUP Laboratories

Fees and Codes

Fees

- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact Customer Service.

Test Classification

This test was developed and its performance characteristics determined by ARUP Laboratories. The U.S. Food and Drug Administration has not approved or cleared this test; however, FDA clearance or approval is not currently required for clinical use. The results are not intended to be used as the sole means for clinical diagnosis or patient management decisions.

CPT Code Information

87912

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
FHBG	Hepatitis B Virus Genotype	32366-7

Test Definition: FHBG

Hepatitis B Virus Genotype

Result ID	Test Result Name	Result LOINC Value
Z3195	Hepatitis B Genotype	32366-7
Z3196	HBV Surface Antigen Mutations	32366-7
Z3197	HBV RT Polymerase Mutations	Unable to Verify