

# **Test Definition: FHBG**

Hepatitis B Virus Genotyping

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

## **Specimen Stability Information**

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



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## Clinical & 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, II69T, 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 & Codes**

## Fees

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

## **Test Classification**

This test was developed and its performance characteristics determine by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purpose.



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## **CPT Code Information**

87912

## **LOINC®** Information

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

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