



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

[Specimen Type: Plasma](#)

Collection Container/Tube: EDTA (lavender or pink top)

Submission Container/Tube: Plastic vial

Specimen Volume: 2 mL Plasma

Collection Instructions:

1. Centrifuge and aliquot 2 mL plasma into a plastic vial.
2. Send frozen.

Additional Information: This test may be unsuccessful if the HBV Viral load is less than log 3.0 or 1000 IU/mL of plasma.

Specimen Minimum Volume

Plasma: 0.5 mL

Reject Due To

| | |
|-----------------------|------------------|
| Thawing: | Cold OK; Warm OK |
| Heparinized specimens | Reject |

Specimen Stability Information

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

Clinical & Interpretive

Clinical Information

Refer to <https://ltd.aruplab.com/>

Reference Values

Not detected

Interpretation

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.

Cautions

This test may be unsuccessful if the HBV Viral load is less than log 3.0 or 1000 IU/mL of plasma.

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 [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 account representative. For assistance, contact [Customer Service](#).

Test Classification

This test was developed and its performance characteristics determined 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.

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 |