

Reporting Title: Hepatitis B Virus Genotype

Performing Location ARUP Laboratories

Specimen Requirements:

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

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
FHBG	Z3193	HBV Viral Load	Plain Text	Yes
FHBG	Z3194	HBV Viral Load Date	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC
Z3195	Hepatitis B Genotype	Alphanumeric		32366-7
Z3196	HBV Surface Antigen Mutations	Alphanumeric		32366-7
Z3197	HBV RT Polymerase Mutations	Alphanumeric		Unable to Verify

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

87912

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, I169T, 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.