

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 1/15/1972
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

HIV1 Genotype and Integrase Inhibitor Resistance by Sequencing

ARUP test code 2009256

HIV-1 Genotype by Sequencing

Indeterminate

HIV-1 GENOTYPING IS INDETERMINATE.
In most cases, samples below the lower limit of detection of the assay (approximately 1,000 copies/mL) cannot be sequenced. In addition to low viral load, other conditions such as PCR inhibitors and viral genetic variation may cause PCR failure and result in an indeterminate result.

INTERPRETIVE INFORMATION: HIV-1 Genotyping

This assay predicts HIV-1 resistance to protease and reverse transcriptase inhibitor anti-retroviral drugs. The protease gene and codons 1-335 of the reverse transcriptase gene of the viral genome are sequenced using the Viroseq HIV-1 Genotyping System kit. Drug resistance is assigned using ViroSeq software. The most current resistance algorithm and drug list is available by selecting the Drug Resistance Report found in the test directory.

This test should be used in conjunction with clinical presentation and other laboratory markers. A patient's response to therapy depends on multiple factors, including patient compliance, percentage of resistant virus population, dosing, and drug pharmacology issues. Resistance interpretations may vary with methodology.

Some insertions or deletions may be difficult to detect using this software. This test may not detect minor HIV-1 populations less than 20 percent of the total population.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

HIV-1 Integrase Inhib. Resistance, Seq

Indeterminate

Indeterminate-HIV-1 integrase inhibitor resistance testing is indeterminate. This result may be due to insufficient quantity of virus in the sample, the presence of PCR inhibitors, or viral genetic variation. In most cases, samples that contain less than 500 HIV copies/mL cannot be genotyped.

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 20-007-401009
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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4848

INTERPRETIVE INFORMATION: HIV-1 Integrase
Inhibitor Resistance

The entire integrase-encoding region is sequenced. Mutations associated with resistance to integrase inhibitors are reported. Mutations in viral sub-populations below 20% of total may not be detected.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement D: aruplab.com/CS

EER HIV-1 Genotype by Seq for Panel

See Note

Access ARUP Enhanced Report using the link below:

-Direct access:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
HIV-1 Genotype by Sequencing	20-007-401009	1/7/2020 9:45:00 AM	1/8/2020 6:43:00 AM	1/10/2020 9:56:00 AM
HIV-1 Integrase Inhib. Resistance, Seq	20-007-401009	1/7/2020 9:45:00 AM	1/8/2020 6:43:00 AM	1/11/2020 11:09:00 AM
EER HIV-1 Genotype by Seq for Panel	20-007-401009	1/7/2020 9:45:00 AM	1/8/2020 6:43:00 AM	1/11/2020 1:20:00 PM

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

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