

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: Unknown
Gender: Unknown
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Human Immunodeficiency Virus 1 Drug Resistance by Next Generation Sequencing

ARUP test code 3003853

HIV-1 Drug Resistance by NGS

Indeterminate

Human Immunodeficiency Virus 1 by Next Generation Sequencing is INDETERMINATE.

In most cases, samples below the lower limit of detection of the assay 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.

HIVGenotyper software version: 2.1.0.4

Stanford HIV Drug Resistance Database Version: HIVDB_9.4

INTERPRETIVE INFORMATION: HIV-1 Drug Resistance by NGS

This assay predicts HIV-1 resistance to protease inhibitors, nucleoside reverse transcriptase inhibitors, non-nucleoside reverse transcriptase inhibitors and integrase inhibitors. The protease gene, integrase gene and the reverse transcriptase gene of the viral genome are sequenced using Next Generation Sequencing. Drug resistance is assigned using the Stanford hivdb database.

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 adherence, percentage of resistant virus population, dosing, and drug pharmacology issues.

This test detects populations down to 10 percent of the total population which may account for resistance interpretation differences between methods. Some insertions or deletions may be difficult to detect using this software.

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 purposes.

EER HIV-1 Drug Resistance by NGS

See Note

Authorized individuals can access the ARUP Enhanced Report using the following link:

[Redacted Link]

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

| VERIFIED/REPORTED DATES | | | | |
|----------------------------------|---------------|------------------|------------------|-------------------|
| Procedure | Accession | Collected | Received | Verified/Reported |
| HIV-1 Drug Resistance by NGS | 23-236-116361 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00 |
| EER HIV-1 Drug Resistance by NGS | 23-236-116361 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00 |

END OF CHART

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
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 23-236-116361
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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