



LABORATORY REPORT

Example Client, XYZ123
 1234 Warde Road
 Ann Arbor MI 48108

EXAMPLE, REPORT W
 WX0000003826 F 12/05/1988 34 Y

Referral Testing

Collected: 09/26/2023 11:38 Received: 09/26/2023 11:38

Test Name	Result	Flag	Ref-Ranges	Units	Site
HIV-1 Genotype	DETECTED	AB			QCRL

HIV Subtype: B

Antiretroviral drugs	Resistance Predicted	Mutations Detected
NRTIs		
ZDV (zidovudine or Retrovir)	! NO!	!
ABC (abacavir or Ziagen)	! NO!	!
ddI (didanosine or Videx)	! NO!	!
3TC (lamivudine or Epivir)	! NO!	!
FTC (emtricitabine or Emtriva)	! NO!	!
d4T (stavudine or Zerit)	! NO!	!
TDF (tenofovir or Viread)	! NO!	!
NNRTIs		
ETR (etravirine or Intelence)	!YES!V106I/M, E138E/Q, Y181Y/C	!
EFV (efavirenz or Sustiva)	!YES!K103N, V106I/M, Y181Y/C	!
NVP (nevirapine or Viramune)	!YES!K103N, V106I/M, Y181Y/C	!
RPV (rilpivirine or Edurant)	!PRB!E138E/Q, Y181Y/C	!
DOR (doravirine or Pifeltro)	! NO!	!
PIs		
FPV (fos-amprenavir or Lexiva)	! NO!	!
IDV (indinavir or Crixivan)	! NO!	!
NFV (nelfinavir or Viracept)	! NO!	!
SQV (saquinavir or Invirase)	! NO!	!
LPV (lopinavir or Kaletra)	! NO!	!
ATV (atazanavir or Reyataz)	! NO!	!
TPV (tipranavir or Aptivus)	! NO!	!
DRV (darunavir or Prezista)	! NO!	!

PRB = PROBABLE OR EMERGING RESISTANCE
 OTHER MUTATIONS DETECTED:
 RT GENE MUTATIONS: K70K/Q, V179I/V, R211K
 PR GENE MUTATIONS: M36I/M, L63C, I93L

The Quest Diagnostics Sep 2022 Interpretation Algorithm
 The method used in this test is RT-PCR and sequencing
 of the HIV-1 polymerase gene.

The phrases "resistance predicted" and "probable ...

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED



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or emerging resistance" refer to the application of the interpretive rules. The FDA has not reviewed all of the interpretive rules used by the laboratory to predict drug resistance. FDA may not currently recognize some of the HIV gene mutations reported as predictive of drug resistance, but the laboratory considers these mutations to be associated with resistance to anti-viral drugs based on current clinical or scientific studies. The test has been validated pursuant to CLIA regulations and is not considered investigational or for research use only. Treatment decisions should be made in consideration of all relevant clinical and laboratory findings and the prescribing information for the drugs.

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

Test Performed at:
Quest Diagnostics Nichols Institute
33608 Ortega Highway
San Juan Capistrano, CA 92675-2042 I Maramica MD, PhD

QCRL: QUEST DIAGNOSTICS REFERENCE LAB CAPISTRANO 33608 Ortega Highway San Juan Capistrano CA 92675

Reported Date: 2023.09.26 11:39

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

F326000050 Ordered By: KAJAL SITWALA, MD, PhD
WX0000003826 WX00000000002353
Printed D&T: 09/26/23 11:39

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
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