Test Definition: FPGT

Phenosense Combination HIV Drug Resistance Assay

Overview

Useful For

Determines viral phenotype and genotype resistance to three classes of commonly prescribed antiretroviral drugs: nucleoside reverse transcriptase inhibitors (NRTI), nonnucleoside reverse transcriptase inhibitors (NNRTI), and protease inhibitors (PI). Viral replication capacity is also included.

Method Name

Phenotype: polymerase chain reaction (PCR) amplification and viral culture; genotype: polymerase chain reaction (PCR) and DNA sequencing.

NY State Available

Yes

Specimen

Specimen Type

Plasma EDTA

Ordering Guidance

This procedure should be used for patients with documented HIV-1 infection and viral loads =500 copies/mL.

Specimen Required

Specimen Type: Plasma
Container/Tube: Lavender-top (EDTA) or plasma preparation tube (PPT)
Specimen Volume: 3 mL
Collection Instructions: Draw blood in either PPT (pearl top) or lavender-top (EDTA) tubes. Centrifuge specimen within six hours of collection. Remove plasma from cells immediately, and transfer specimen to a screw-capped, plastic vial. Freeze 3 mL of PPT plasma or EDTA plasma immediately, send specimen frozen.

To avoid delays in turnaround time when requesting multiple tests, please submit separate frozen specimens for each test requested.

RECOMMENDED:

1. Patient's most recent viral load.
2. Viral load collection date.

NOTE: 1. Intended for use only for patients with viral loads greater than or equal to 500 copies/mL. For best results, viral loads should be confirmed within 2 weeks prior to submission for testing at Monogram.

2. Patient samples submitted <30 days apart are considered duplicate and will be cancelled.

Specimen Minimum Volume
1 mL

Reject Due To

Other	PPT(TM) not centrifuged; quantity not sufficient for analysis; heparinized plasma; nonfrozen specimen; specimen exposed to repeated freeze/thaw cycles; specimen received in "pop-top" or "snap-cap" tube

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Plasma EDTA	Frozen	14 days	

Clinical & Interpretive

Reference Values
A final report will be attached in MayoAccess.

Performance

PDF Report
Referral

Day(s) Performed
Sunday through Saturday

Report Available
18 to 26 days

Performing Laboratory Location
Monogram Biosciences, Inc

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.

CPT Code Information

87900/Infectious agent drug susceptibility phenotype prediction
87901/Infectious agent genotype analysis by nucleic acid; reverse transcriptase and protease
87903/Infectious agent phenotype analysis by nucleic acid with drug resistance tissue culture analysis; first through 10 drugs tested
87904/x12 Each additional drug tested

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FPGT	Phenosense GT	Not Provided

Result ID	Test Result Name	Result LOINC® Value
Z1043	Phenosense GT	Not Provided