
Overview

Useful For

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

Method Name

Polymerase chain reaction (PCR) amplification and viral culture

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 \geq 500 copies/mL.

Specimen Required

Specimen Type: Plasma

Container/Tube: Lavender-top (EDTA) or plasma preparation tube (PPT)

Specimen Volumes: 3 mL

Collection Instructions: Draw blood into **two** 5-mL PPT (pearl top) or EDTA (lavender top) tubes. Centrifuge specimen within 6 hours of collection. Transfer plasma to one or more polypropylene screw-capped tube(s) and freeze. Freeze immediately. Send 3 mL plasma in a screw-cap vial 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 two weeks prior to submission for testing at Monogram.
2. Patient samples submitted $<$ 30 days apart are considered duplicate and will be canceled.

Specimen Minimum Volume

1 mL

Reject Due To

Other	PPT not centrifuged; insufficient volume; heparinized plasma; non frozen specimens; specimens exposed to repeated freeze/thaw cycles; specimen received in "pop-top" or "snap- cap" tube
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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

87903

87904 x12

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FPHIV	Phenosense HIV	49665-3

Result ID	Test Result Name	Result LOINC® Value
Z1042	Phenosense HIV	Unable to Verify