

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 > or =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 |
|-------|--|

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    |