



# Test Definition: FPHIV

## Phenosense HIV Drug Resistance Replication Capacity

### 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    |