

# LABCORP SERVICE ANNOUNCEMENT

## PhenoSense GT® Plus Integrase

### LabCorp and Monogram Biosciences are pleased to announce the availability of PhenoSense GT® Plus Integrase:

the first commercial assay to provide comprehensive genotypic and phenotypic drug resistance information for four classes of antiretroviral drugs, including nucleoside/nucleotide, non-nucleoside, protease, and integrase inhibitors, in a single report. The addition of phenotypic to genotypic testing, as found in PhenoSense GT Plus Integrase, is noted in DHHS guidelines as generally preferred for patients who may benefit from drug resistance testing due to known or suspected complex drug resistance patterns, including suboptimal virologic response to treatment and viral load rebound.<sup>1</sup>

### Features of PhenoSense GT Plus Integrase:

- The genotypic component evaluates the HIV-1 polymerase (*pol*) region, including the protease and integrase coding regions and amino acids 1-400 of reverse transcriptase.
- Utilizes Monogram's proprietary HIV-1 genotypic interpretation database, which is comprised of a database of >100,000 matched HIV genotype-phenotype results, and Monogram's proprietary HIV-1 genotypic database for integrase.
- The phenotypic component evaluates the HIV-1 polymerase (*pol*) region, which provides a direct, quantitative measure of drug susceptibility for NRTIs, NNRTIs, PIs and INSTIs.
- The report includes a net assessment for each drug which resolves discordance (disagreement) between genotypic and phenotypic susceptibility results.
- Test results are available in approximately 14-18 days after receipt at Monogram Biosciences.
- Appropriate for the evaluation of patient specimens with HIV-1 viral loads  $\geq 500$  copies/mL.

Test Name	Monogram Test N°	LabCorp Test N°
PhenoSense GT Plus Integrase	M7000	551920

PhenoSense GT Plus Integrase is also available as a reflex from a viral load test if the viral load result is  $\geq 500$  copies/mL. The LabCorp test numbers are 550711 (graphical viral load with reflex to PhenoSense GT Plus Integrase) or 550625 (non-graphical viral load with reflex to PhenoSense GT Plus Integrase). Reflex orders through Monogram do not have unique reflex order codes.

**Please note:** PhenoSense GT Plus Integrase is not indicated when the HIV-1 viral load is  $< 500$  copies/mL plasma.\*

If you have questions or would like more information on PhenoSense GT Plus Integrase, please contact your LabCorp or Monogram representative, or call Monogram's Client Services at **800-777-0177**.

Monogram Biosciences, a member of the LabCorp Specialty Testing Group, continues to deliver innovative products in virology to serve the needs of the medical community. Thank you for entrusting us with your medical testing.

\*If the assay fails on the initial attempt, HIV-1 RNA quantitation will be performed. If the result is  $< 500$  copies/mL, the viral load will be reported and the client will be billed.

### References

1. Panel on Antiretroviral Guidelines for Adult and Adolescents. Guidelines for the use of antiretroviral agents in HIV-1 infected adults and adolescents. Department of Health and Human Services. February 12, 2013; 1-267. Available at: <http://aidsinfo.nih.gov/contentfiles/lvguidelines/adultandadolescentgl.pdf>. Accessed: March 8, 2014.

