

**Human Immunodeficiency Virus 1 (HIV-1) PhenoSense GT® Plus Integrase  
(Phenotype + Genotype)**

Order Name: **PSGT plus INI**  
 Test Number: 5194516  
 Revision Date: 02/09/2023

TEST NAME	METHODOLOGY	LOINC CODE
Human Immunodeficiency Virus 1 (HIV-1) PhenoSense GT® Plus Integrase (Phenotype + Genotype)	Polymerase Chain Reaction/Real Time	

SPECIMEN REQUIREMENTS				
Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	5 mL	Plasma	EDTA (Lavender Top)	Frozen
Instructions	<b>Specimen Type:</b> Plasma Transfer Tube <b>Specimen Storage:</b> FREEZE <b>Specimen Collection:</b> Collect specimen in three lavender-top (EDTA) tubes or three PPT(TM) tubes. Do NOT use green-top (heparin) tubes. Centrifuge specimen within six hours of collection. Transfer plasma to one or more polypropylene screw-capped tube(s) (not "pop top tube" or "snap cap") and freeze. Ship specimen frozen. To avoid delays in turnaround time when requesting multiple tests on frozen samples, PLEASE SUBMIT SEPARATE FROZEN SPECIMENS FOR EACH TEST REQUESTED. <b>Special Instructions:</b> A separate frozen specimen is required for each frozen test ordered. This assay is a combined assay in which HIV resistance phenotype and HIV resistance genotype is performed. <b>Specimen Stability:</b> Ambient: Not Available, Refrigerated : Not Available, Frozen: Not Available			

GENERAL INFORMATION	
Expected TAT	19 - 23 days
Clinical Use	<b>Use:</b> Determines viral phenotype and genotype resistance to four classes of commonly prescribed antiretroviral drugs: nucleoside reverse transcriptase inhibitors (NRTI), nonnucleoside reverse transcriptase inhibitors (NNRTI), protease inhibitors (PI), and integrase inhibitors (INI). <b>Limitations:</b> This procedure should be used for patients with documented HIV-1 infection and viral loads 500 copies/mL. If there is insufficient virus to produce results, HIV-1 RNA quantitation will be performed to confirm viral load, and this procedure will be billed at the account's prevailing fee.
Notes	Phenotype: polymerase chain reaction (PCR) amplification and viral culture; Genotype: polymerase chain reaction (PCR) and DNA sequencing. PhenoSense(R) and PhenoSense GT(R) are trademarks of Monogram Biosciences(R). Labcorp Test Code: 551920
CPT Code(s)	87900; 87901; 87903; 87904(x16); 87906 (Possible 87536)
Service Provided By	 <b>labcorp</b> Oklahoma, Inc.