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|  | | Assay Name | Drug Classes | Viral Load Requirement | Monogram  Test Code | CPT Code | Specimen Requirements |
| **COMBO PHENO + GENO** | | PhenoSense® GT | NRTIs, NNRTIs,  PIs | ≥ 500 c/mL | V7000 | 87900  87901  87903  87904x11 | 3mL frozen plasma. Draw blood in either 2 PPT or 2 lavender-top (EDTA) tubes. Centrifuge within 6 hours of collection. Spin at 1000–1200g for 10 to 15 minutes. Transfer plasma to one or more screw-cap tubes (not "pop-top" or "snap-cap"). Freeze immediately at -20°C and ship frozen. |
| PhenoSense® GT Plus Integrase | NRTIs, NNRTIs, PIs, INIs | ≥ 500 c/mL | M7000 | 87900  87901  87903  87904x14  87906 | 6mL frozen plasma. Draw blood in either 3 PPT or 3 lavender-top (EDTA) tubes. Centrifuge within 6 hours of collection. Spin at 1000–1200g for 10 to 15 minutes. Transfer plasma to one or more screw-cap tubes (not "pop-top" or "snap-cap"). Freeze immediately at -20°C and ship frozen. |
| **PHENOTYPING** | | PhenoSense® | NRTIs, NNRTIs, PIs | ≥ 500 c/mL | V3200 | 87903  87904x11 | 3mL frozen plasma. Draw blood in either 2 PPT or 2 lavender-top (EDTA) tubes. Centrifuge within 6 hours of collection. Spin at 1000–1200g for 10 to 15 minutes. Transfer plasma to one or more screw-cap tubes (not "pop-top" or "snap-cap"). Freeze immediately at -20°C and ship frozen. |
| PhenoSense® Integrase | INIs | ≥ 500 c/mL | S3200 | 87903 |
| PhenoSense® Entry | Enfuvirtide | ≥ 1000 c/mL | E2000 | 87903 |
| **GENOTYPING** | | GenoSure PRIme® | NRTIs, NNRTIs, PIs, INIs | ≥ 500 c/mL | P5000 | 87900  87901  87906 | 6mL frozen plasma. Draw blood in either 3 PPT or 3 lavender-top (EDTA) tubes. Centrifuge within 6 hours of collection. Spin at 1000–1200g for 10 to 15 minutes. Transfer plasma to one or more screw-cap tubes (not "pop-top" or "snap-cap"). Freeze immediately at -20°C and ship frozen. |
| GenoSure® MG | NRTIs, NNRTIs, PIs | ≥ 500 c/mL | G5000 | 87900  87901 | 3mL frozen plasma. Draw blood in either 2 PPT or 2 lavender-top (EDTA) tubes. Centrifuge within 6 hours of collection. Spin at 1000–1200g for 10 to 15 minutes. Transfer plasma to one or more screw-cap tubes (not "pop-top" or "snap-cap"). Freeze immediately at -20°C and ship frozen. |
| **SUPPRESSION MGMT** | | GenoSure Archive℠ DNA Sequencing | NRTIs, NNRTIs, PIs, INIs | Undetectable | R6000 | 87900  87901  87906 | 4 mL EDTA (lavender-top) whole blood. Draw whole blood in 1 lavender-top (EDTA) tube. Do not centrifuge. Freeze immediately at -20°C and ship frozen.  *Note: HIV-1 DNA Sequencing Testing is also available for PR-RT (test code R6200) and INT (test code R6400) separately. For more information please call Client Services at 1-800-777-0177.* |
| Trofile® DNA | CCR5  Antagonist | Undetectable | E3600 | 87999 |
| **TROPISM** | Trofile® | | CCR5  Antagonist | ≥ 1000 c/mL | E3100 | 87999 | 3mL frozen plasma. Draw blood in either 2 PPT or 2 lavender-top (EDTA) tubes. Centrifuge within 6 hours of collection. Spin at 1000–1200g for 10 to 15 minutes. Transfer plasma to one or more screw-cap tubes (not "pop-top" or "snap-cap"). Freeze immediately at -20°C and ship frozen. |
| Trofile® Select | | CCR5  Antagonist | Use when VL unknown | E3000T | 87999 | Both plasma and whole blood are needed for Trofile Select. 5mL frozen plasma AND 4mL frozen whole blood from lavender-top (EDTA) tubes.  Draw 4 lavender-top EDTA tubes. Freeze one tube immediately at -20°C.  Centrifuge the other 3 tubes within 6 hours of collection.  Transfer plasma to screw-cap tubes. Freeze immediately at -20°C and ship all tubes frozen. |
| **HIV VL** | HIV-1 RT-PCR  Quant  (Graph/Non-Graph) | |  | N/A | V1000N  (Non-Graph)  V1000G  (Graph) | 87536@ | 3 mL frozen plasma. Collect specimen in 2 PPT or lavender-top (EDTA) tubes. Centrifuge specimen within 6 hours of collection, remove plasma and transfer specimen to screw-cap tube, and freeze. Ship frozen. |
| **HCV** | Hepatitis C Virus, Genotype(subtype) | |  | ≥ 600 IU/mL | C1200 | 87902 | 3 mL frozen plasma. Collect specimen in 2 PPT, yellow-top (ACD) tubes, or lavender-top (EDTA) tubes. Centrifuge specimen within 6 hours of collection, and transfer to 2 plastic screw-cap tubes. Freeze at -20°C and ship frozen. |
| IL28B | |  | N/A | C1300 | 81400 | Whole blood 5mL lavender-top (EDTA) tube or yellow-top (ACD) tube or buccal swab kit. Stable ambient or refrigerate at 4°C. (Buccal Swab Collection kit contains instructions for use of a buccal swab). |
| HCV GenoSure® NS3/4A | | PIs | ≥ 2000 IU/mL | C5000 | 87900  87902 | 3mL frozen plasma. Draw blood in 2 PPT or lavender-top (EDTA) tubes, centrifuge within 6 hours of collection. Spin at 1000–1200g for 10 to 15 minutes. Transfer plasma to one or more screw-cap tubes (not “pop-top” or “snap-cap”). Freeze immediately at -20°C. Ship frozen. |
| Hepatitis C Virus RT-PCR Quant  (Graph/Non-Graph) | |  | N/A | C1000N  (Non-Graph)  C1000G  (Graph) | 87522 |

Unacceptable conditions: 1) Incorrect tube type. 2) Frozen required: Non-frozen specimens or specimens exposed to repeated freeze-thaw cycles. 3) Unlabeled specimens. @ = Subject to Medicare medical necessity guidelines. Visit [www.Monogrambio.com](http://www.Monogrambio.com) for assay use and limitations.