

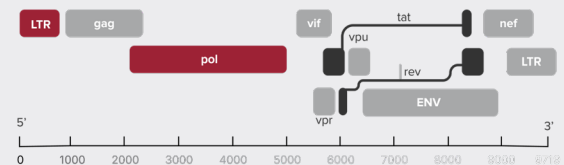
Aptima® HIV-1 Quant Dx Assay

- Detect HIV-1 and monitor viral load with excellent precision.

Test with confidence. Detect with precision. With accurate, reliable results for HIV-1 detection and viral load monitoring, your lab will be equipped to help inform care for confirming diagnosis and achieving viral suppression.

Designed with diligence. Engineered for endurance.

- **Strategic Targeting:** Targets highly conserved regions of the HIV-1 genome to ensure consistent detection across subtypes and minimize the impact of viral mutations.
- **Redundant Oligonucleotide Design:** Incorporates extended primers and probes to enhance binding specificity and reduce the likelihood of cross-reactivity or false positives.
- **Rigorous Analytical Validation:** Developed through extensive performance testing to meet stringent criteria for clinical sensitivity, specificity, and reproducibility.



Dual claim, single solution. Your lab, simplified.

The Aptima HIV-1 Quant Dx Assay simplifies lab operations by combining diagnostic and monitoring capabilities—reducing inventory and streamlining workflow. Running on the Panther® System, it supports consolidated testing across a broad menu, minimizing instrument footprint and training needs. With proven TMA technology and robust performance, it delivers the precision your lab demands.



“Owing to its performance, high concordance with the ... reference assay, and user-friendly handling, full automation, flexibility of operation (random access), and efficient workflow (no batches), the Aptima assay represents a good choice for diagnostic laboratories performing routine monitoring of HIV-1 VLs.”

— Wiesmann F, et al.²

Sensitive, accurate, reliable.
You can have it all.

Performance

LoD	Plasma: 12 copies/mL Serum: 8.9 copies/mL	LLOQ Plasma: 30 copies/mL
Linear Range	30 to 10,000,000 copies/mL	

Deliver the performance of Aptima® Assays with the power of the Panther® System. Experience automation that truly adapts to your lab. With true random access loading and the throughput you need, the Panther System gives your lab flexible automation designed to adapt to your workflow.

Key Automation Characteristics	
Random Access	No batching means streamlined operations; load multiple sample types with different test orders at any time without sacrificing throughput or incurring waste.
Primary Tube Processing	Primary tube loading means reduced hands on time - no need for clips, aliquoting, or manual sample transfer. Automated barcode scanning ensures positive sample ID. Tube flexibility includes PPT, ACD, EDTA, Serum, and SST tubes.
Flexible Sample and Reagent Loading	Optimize workflow efficiency with the ability to run multiple tests from a single sample and flexibility with the ability to load and unload samples and reagents at any time.
Rapid Turnaround Time with Stat Result Option	First results available in only 2 hours and 41 minutes. STAT sample loading enables immediate prioritization of urgent samples, ensuring you deliver critical answers faster when every minute counts.
Automated QC Analysis	Specialized reports to automate tracking and trending of QC gives you real-time insights into assay performance.
Low Sample Volume Option (240µL) with Automated Dilution Factor	Deliver results even when sample volume is a challenge. Specified dilution factor automatically applied, avoiding manual calculations.

Product Design

Intended use	Aid in the diagnosis of HIV-1 infection and viral load monitoring	Genotypes	Groups M, N, O
Technology	Real-time transcription-mediated amplification (RT-TMA)	Sample Types	Plasma: EDTA, ACD, PPT Serum: SST, serum tubes
Target Region	pol and LTR	Sample Input Volume	Primary tube: 1.2mL Secondary tube: 700µL Dilution workflow: 240µL with automated dilution factor.



Want to learn more?
 Scan the QR code now to visit our website for more information.



References: 1. Aptima HIV-1 Quant Dx assay. US package insert AW-31085-001. Hologic, Inc.; 2024. 2. Wiesmann F, Ehret R, Naeth G, et al. Multicenter evaluation of two next-generation HIV-1 quantitation assays, Aptima Quant Dx and Cobas 6800, in comparison to the RealTime HIV-1 reference assay. J Clin Microbiol 56:e00292-18. <https://doi.org/10.1128/JCM.00292-18>.

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