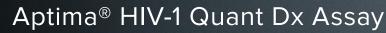
HOLOGIC[®]



Excellent precision and sensitivity for HIV-1 detection and viral load monitoring.

Reliable quantitation. Deliver reliable, repeatable results with a robust test that accurately detects and monitors HIV-1.

Mean Concentration SD CV% Total (Log Copies/mL) Total 1.80 0.16 9.10 Performance 2.37 0.17 7.34 2.47* 0.15 6.15 12 copies/mL (3rd WHO International Standard) LoD 2.95 0.15 5.20 LLoQ 30 copies/mL (Reaction volume: 0.5 mL plasma) 2.53 3.80 0.10 4.93 0.08 1.56 Linear Range 1.30 to 7.30 \log_{10} copies/mL 5.69 0.09 1.58 External quality assessment panels used 0.08 1.13 6.71 Accuracy to verify accuracy across known standards-AcroMetrix, Qnostics, SeraCare, CAP, QCMD² Assay precision provides confidence that increases in viral load are due to clinical changes with the patient, versus assay variation.³

Demand More From Your HIV-1 Assay

Product Design

Intended Use	HIV-1 detection, screening and viral load monitoring	Groups	M, N, O
Technology	Real-time transcription-mediated amplification (TMA)	Sample Types	Quantitative: Plasma Qualitative: Serum and Plasma
Target Region	pol/LTR	Sample Input Volume	Primary tube (PPT, ACD, EDTA, Serum, SST): 1.2 mL Secondary tube: 700 μL 240 μL with automated dilution factor





Excellent Sensitivity and High Precision¹

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The Aptima® HIV-1 Quant Dx assay on the Panther® system combines assay performance and excellent automation for detection and viral load monitoring.

Sample-to-Result Within a Single Integrated Instrument

Key Automation Characteristics				
Random Access	No more batching; load samples with different test orders as they arrive Run HIV-1 with other assays at the same time			
Primary Tube Processing	No need for aliquoting or manual sample transfer Tube flexibility: PPT, ACD, EDTA, Serum and SST tubes validated			
Flexible Sample and Reagent Loading	Run multiple tests from a single sample No manual sample prep or barcode clips Automated barcode scanning of tubes allows positive sample identification			
Rapid Turnaround Time with Stat Result Option	First results in 2 hours, 41 minutes stat result option: ability to prioritize results			
Automated QC Analysis	Levey-Jennings plots to track and trend controls			
Low Sample Volume Option (240 $\mu\text{L})$ with Automated Dilution Factor	Specified dilution factor automatically applied versus manual calculations			

Ordering Information

Item	Quantity	Catalog #
Aptima HIV-1 Quant Dx Assay Kit (1 assay box, 1 calibrator kit, 1 control kit)	100 tests	PRD-03565

Primary Tube Sampling

✓ Plasma: EDTA, ACD, PPT✓ Serum and SST



Visit **USAptimaVirology.com** for more information.

References: 1. Aptima HIV-1 Quant Dx assay. US package insert AW-18107-001. Hologic, Inc.; 2021. 2. Data on file. 3. Nair SV, Kim HC, Fortunko J, et al. Aptima HIV-1 Quant Dx—a fully automated assay for both diagnosis and quantification of HIV-1. J Clin Virol. 2016;77:46-54.

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