

# Aptima® HIV-1 Quant Dx Assay

■ 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.

## Excellent Sensitivity and High Precision<sup>1</sup>

### Performance

**LoD** 12 copies/mL (3rd WHO International Standard)

**LLoQ** 30 copies/mL (Reaction volume: 0.5 mL plasma)

**Linear Range** 1.30 to 7.30 log<sub>10</sub> copies/mL

**Accuracy** External quality assessment panels used to verify accuracy across known standards—AcroMetrix, Qnostics, SeraCare, CAP, QCMD<sup>2</sup>

Mean Concentration (Log Copies/mL)	SD Total	CV% Total
1.80	0.16	9.10
2.37	0.17	7.34
2.47*	0.15	6.15
2.95	0.15	5.20
3.80	0.10	2.53
4.93	0.08	1.56
5.69	0.09	1.58
6.71	0.08	1.13



Assay precision provides confidence that increases in viral load are due to clinical changes with the patient, versus assay variation.<sup>3</sup>

## Demand More From Your HIV-1 Assay

### Product Design

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

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