

# Panther has new prey.



**A new standard: the ideal combination of performance and automation for HIV-1 viral load monitoring.**

Excellent sensitivity and high precision.<sup>1</sup>

Performance	
<b>LoD</b>	12 copies/mL (3rd WHO International Standard)
<b>LLoQ</b>	30 copies/mL (Reaction volume: 0.5 mL plasma)
<b>Linear range</b>	30 to 10 million copies/mL
<b>Accuracy</b>	External quality assessment panels used to verify accuracy across known standards—AcroMetrix, Qnostics, SeraCare, CAP, QCMD

Mean concentration (Log copies/mL)	Total	
	SD	CV %
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

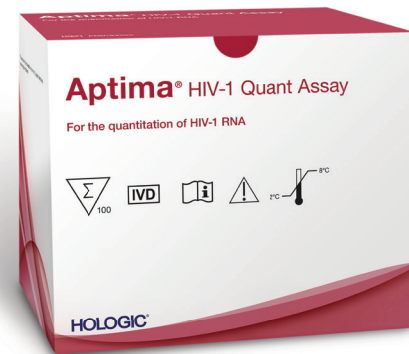
\*Panel member was diluted 1:3 just prior to run. Reported result (shown here) has dilution factor of 3 applied automatically by the Panther® system.

Excellent precision with the Aptima HIV-1 Quant assay provides confidence that increases in viral load are due to clinical changes with the patient versus assay variation.<sup>2†</sup>

†Only the data with respect to the viral load quantitation is applicable to the Aptima HIV-1 Quant assay. This product is marketed as the Aptima HIV-1 Quant Dx assay outside of the US, because it is also intended for diagnosis of HIV-1 outside of the US.

**Demand more from your HIV-1 assay.**

Product design	
<b>Intended use</b>	▶ HIV-1 viral load monitoring
<b>Technology</b>	▶ Real-time transcription-mediated amplification (TMA)
<b>Target region</b>	▶ pol/LTR
<b>Groups</b>	▶ M, N, O
<b>Sample types</b>	▶ Quantitative: Plasma
<b>Sample input volume</b>	▶ Primary tube (PPT, ACD, EDTA): 1.2 mL ▶ Secondary tube: 700 µL ▶ 240 µL with automated dilution factor



**Aptima® HIV-1**  
Quant Assay

# The Aptima<sup>®</sup> HIV-1 Quant assay on the Panther<sup>®</sup> system

## The ideal combination of performance and superior automation for viral load monitoring of HIV-1.

Sample to result within a single integrated instrument.

Key automation characteristics	
Random access	<ul style="list-style-type: none"> <li>▶ No more batching; load samples with different test orders as they arrive</li> <li>▶ Run HIV with other assays at the same time</li> </ul>
Primary tube processing	<ul style="list-style-type: none"> <li>▶ No need for aliquoting or manual sample transfer</li> <li>▶ Tube flexibility: PPT, ACD and EDTA tubes validated</li> </ul>
Flexible sample and reagent loading	<ul style="list-style-type: none"> <li>▶ Run multiple tests from same sample</li> <li>▶ No manual sample prep or barcode clips</li> <li>▶ Automated barcode scanning of tubes allows positive sample identification</li> </ul>
Rapid turnaround time with stat result option	<ul style="list-style-type: none"> <li>▶ First results in 2 hours 41 minutes</li> <li>▶ Stat results option: ability to prioritize results</li> </ul>
Automated QC analysis	<ul style="list-style-type: none"> <li>▶ Levey-Jennings plots to track and trend controls</li> </ul>
Low sample volume option (240 µL) with automated dilution factor	<ul style="list-style-type: none"> <li>▶ Specified dilution factor automatically applied versus manual calculations</li> </ul>

## Ordering information.

Item	Quantity	Catalog #
Aptima HIV-1 Quant Assay Kit (1 assay box, 1 calibrator kit, 1 control kit)	100 tests	PRD-03565
Aptima HIV-1 Quant Controls Kit	5 of each control (low, negative, high)	PRD-03567
Aptima HIV-1 Quant Calibrator Kit	5 calibrators	PRD-03566

For more information contact your Hologic representative or visit [USAptimaVirology.com](http://USAptimaVirology.com).

### References:

1. Aptima HIV-1 Quant Assay [package insert] #AW-13242-001, San Diego, CA; Hologic, Inc., 2016. 2. 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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**Aptima<sup>®</sup> HIV-1**  
 Quant Assay