



Panther Fusion® EBV Quant Assay

On-Demand EBV viral load testing in plasma and whole blood.

Accurate, highly reproducible quantitation. Enhance patient management with a flexible approach for monitoring EBV infection.

High reproducibility with full automation.¹

Performance

LoD	Plasma: 54.1 IU/mL Whole Blood: 200.9 IU/mL (1st WHO International Standard)
LLoQ	Plasma: 120 IU/mL (2.08 log IU/mL) Whole Blood: 350 IU/mL (2.54 log IU/mL) (1st WHO International Standard)
Linear range	Plasma: 2.08 log IU/mL to 9.18 log IU/mL Whole Blood 2.54 log IU/mL to 9.78 log IU/mL
Method correlation	High correlation against a comparator assay on retrospective and contrived plasma and whole blood specimens across the linear range of the assays

Assay reproducibility in whole blood	
log IU/mL	Whole blood total SD
2.96	0.20
4.00	0.15
5.03	0.13

SD = standard deviation.



The high reproducibility of the assay provides confidence that results are accurate regardless of where they are performed.¹

Take control of your EBV viral load testing


Product design			
Intended use	EBV viral load monitoring	Types	1-2
Technology	Real-time Polymerase Chain Reaction	Sample types	Plasma and whole blood
Target region	EBNA-1 gene	Sample input volume	Primary tube (EDTA, PPT): 1.2 mL plasma Secondary tube: 700 µL plasma Whole blood: 500 µL with automated dilution factor

The Panther Fusion® EBV Quant assay on the Panther Fusion system combines assay performance with flexible automation for viral load monitoring.


Sample-to-result within a single integrated instrument

Key automation characteristics	
Random access	No more batching; load samples as they arrive in your laboratory.
Plasma primary tube processing	No need for aliquoting or manual sample transfer. Tube flexibility: PPT and EDTA tubes validated.
Whole blood processing	Validated for whole blood processing. Use pre-filled tubes for whole blood dilution, which are then loaded directly onto the Panther system.
Flexible sample and reagent loading	Panther Fusion ready to use, single dose assay reagent cartridge. Primary tube processing with positive sample identification. Run multiple assays from a single specimen tube at the same time.
Consolidated calibration and controls	Panther Fusion assay calibration valid for up to 60 days. Panther Fusion controls valid for up to 30 days.
Rapid turnaround time with stat result option	First results in 2.4 hours. STAT result option: ability to prioritise results.

Ordering information

Aptima® Transplant assay	Items	Quantity	Catalogue number
	Panther Fusion EBV Quant Assay (12 Cartridges each containing 8 reactions)	96 tests	PRD-07157
	Panther Fusion EBV Quant Calibrators	1 set	PRD-07159
	Panther Fusion EBV-BKV Quant Controls	3 sets	PRD-07158
	Aptima Whole Blood Diluent Tubes	100 tubes	PRD-06783

Validated sample types

-  ✓ Plasma: EDTA, PPT
- ✓ Whole blood

RUN ON
PANTHER
FUSION®



CE  Hologic BV, Da Vincilaan 5, 1930 Zaventem, Belgium EC REP information wherever applicable.

References: 1. Panther Fusion EBV Quant assay [package insert]. AW-26019-001. San Diego, CA: Hologic, Inc.;2022

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