

# AccuVert™ HIV-1 Seroconversion Panel

0600-0258 (PRB974) / Batch #10690566

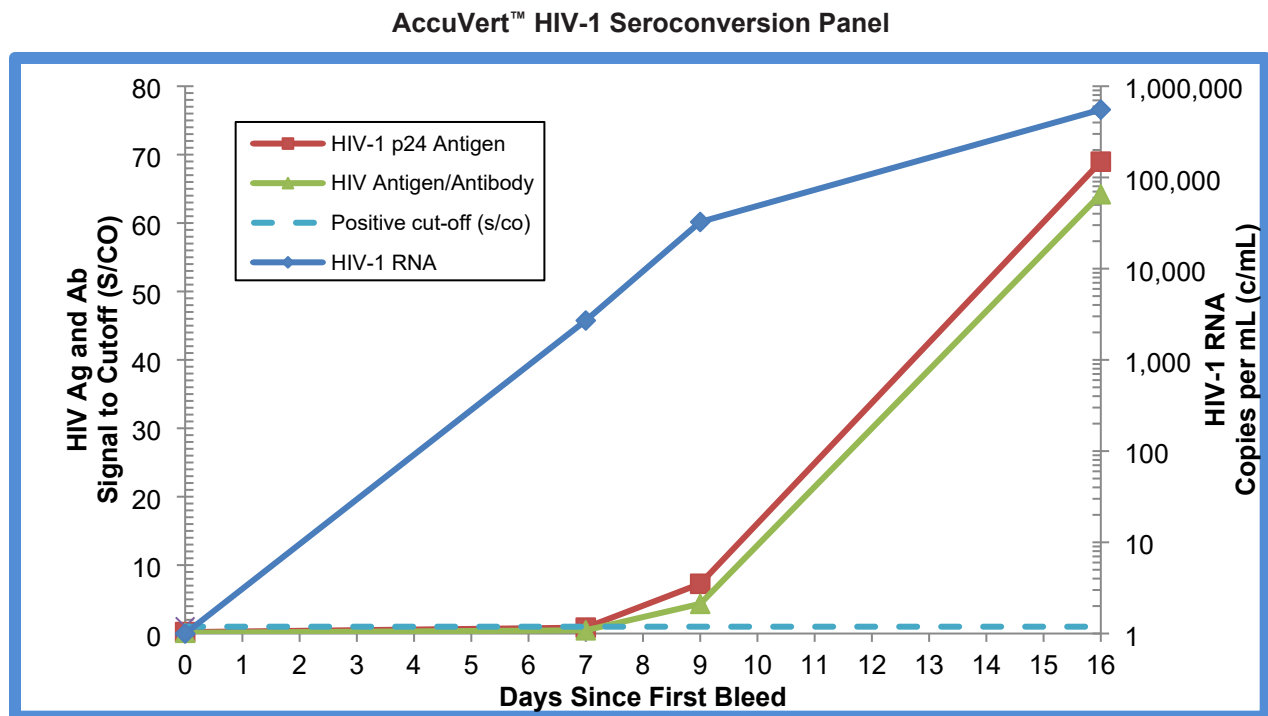
## OVERVIEW

AccuVert™ HIV-1 Seroconversion Panel 0600-0258 (PRB974) / Batch #10690566 is a 4-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.2 mL per vial). Panel members represent serial bleeds collected from a single individual over the course of 16 days in 2000 during the development of an HIV infection and subsequent response. Each sample represents a single collection event. No preservatives were added.

Test results from commercially-available HIV assays are included for characterization of the panel members. This panel of human plasma samples demonstrates a change in expression from negative to positive for some HIV-1 analytes during the development and progression of an HIV infection.

For Research Use Only. Not for use in diagnostic procedures. Data are offered for informational purposes. LGC SeraCare Life Sciences does not claim that others can duplicate test results exactly.

CAUTION: Potentially infectious materials. Follow Universal Precautions. Some panel members were found positive for HIV-1; all were found negative for anti-HCV and HBsAg. This does not ensure the absence of these or other human pathogens.



This graph demonstrates the evolution of early HIV infection amongst panel members from the Perkin Elmer (HIV-1 p24 Antigen), Abbott ARCHITECT (HIV Antigen/Antibody), and Roche cobas® (HIV-1 RNA) test methods. Please note that member 4 is off-scale for the Perkin Elmer HIV-1 p24 Antigen Assay.

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## Panel Member Information

Panel Member	SeraCare Batch #	Bleed Date	Days Since 1 <sup>st</sup> Bleed	Fiebig Stage <sup>1</sup>
01	9251239	14-Jun-2000	0	NA
02	9251240	21-Jun-2000	7	I
03	9251241	23-Jun-2000	9	II
04	9251242	30-Jun-2000	16	II/III

<sup>1</sup>Fiebig stages are categories that define phases of early HIV infection. See Fiebig E.W., et al. Dynamics of HIV viremia and antibody seroconversion in plasma donors: implications for diagnosis and staging of primary HIV infection. AIDS 2003, 17:1871-9, and Lee H.Y., et al. Modeling sequence evolution in acute HIV-1 infection. J Theor. Biol. 2009, 261:341-360.

## HIV RNA and HIV Antigen Assays<sup>1</sup>

Panel Member	Roche cobas® 6800/8800 HIV-1 RNA (copies/mL)	Abbot Alinity m HIV-1 RNA (copies/mL)	Perkin Elmer HIV-1 p24 ELISA (S/CO)
01	TND	TND	0.21
02	<b>2.70 X 10<sup>3</sup></b>	<b>3.88 X 10<sup>3</sup></b>	0.86
03	<b>3.25 X 10<sup>4</sup></b>	<b>3.91 X 10<sup>4</sup></b>	<b>7.27</b>
04	<b>5.54 X 10<sup>5</sup></b>	<b>6.16 X 10<sup>5</sup></b>	<b>&gt;68.97</b>
Test Date	18-Jan-2024	17-Jan-2024	23-Jan-2024
Test Site	RL	RL	LGC
Kit Part Code	NA	NA	NEK050A
Kit Lot No.	NA	385356	990-23361
Kit Exp. Date	NA	10-Feb-2025	01-Sep-2024

<sup>1</sup>Results are reported as the mean result of duplicate testing; positive/reactive results are noted in bold red.  
RL = Reference Lab; LGC = LGC Clinical Diagnostics; NA = Not Available

## HIV Antigen/Antibody Assays<sup>1</sup>

Panel Member	Abbott ARCHITECT HIV Ag/Ab Combo (S/CO)	Abbott Alinity s HIV Ag/Ab Combo (S/CO)	Roche cobas® Elecsys HIV combi PT (COI)	Siemens ADVIA Centaur® HIV Ag/Ab Combo (Index)
01	0.11	0.09	0.24	0.26
02	0.47	0.46	0.49	0.55
03	<b>4.34</b>	<b>4.02</b>	<b>2.67</b>	<b>2.32</b>
04	<b>64.21</b>	<b>58.08</b>	<b>41.43</b>	<b>&gt;12.00</b>
Test Date	17-Jan-2024	16-Jan-2024	29-Jan-2024	16-Jan-2024
Test Site	LGC	RL	RL	RL
Kit Part Code	2P36	NA	NA	NA
Kit Lot No.	54503BE00	53198BE00	NA	93420347
Kit Exp. Date	25-Mar-2024	31-May-2024	NA	30-Jun-2024

<sup>1</sup>Results are reported as the mean result of duplicate testing; positive/reactive results are noted in bold red.  
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## HV-1 Antibody & HIV Rapid Assays

Panel Member	Avioq HIV-1 Microelisa (S/CO) <sup>1</sup>	Alere Determine™ HIV-1/2 Ag/Ab Combo <sup>2</sup>	
		HIV Ag	HIV Ab
01	0.21	NEG	NEG
02	0.22	NEG	NEG
03	0.23	<b>POS</b>	NEG
04	0.23	<b>POS</b>	NEG
Test Date	25-Jan-2024	16-Jan-2024	
Test Site	LGC	LGC	
Kit Part Code	100384	7D2648	
Kit Lot No.	23106H	237258	
Kit Exp. Date	02-Dec-2024	28-Nov-2024	

<sup>1</sup>Results are reported as the mean result of duplicate testing; positive/reactive results are noted in bold red.

<sup>2</sup>Results are reported as singlicate testing; positive/reactive results are noted in bold red.

LGC = LGC Clinical Diagnostics; POS = Positive; NEG = Negative

## HIV Confirmatory Assay<sup>1</sup>

Panel Member	Bio-Rad Genetic Systems™ HIV-1 Western Blot	
	Band Pattern	HIV-1 Interpretation
01	No Bands	NEG
02	No Bands	NEG
03	No Bands	NEG
04	No Bands	NEG
Test Date	29-Feb-2024	
Test Site	LGC	
Kit Part Code	32508	
Kit Lot No.	64593016	
Kit Exp. Date	01-Aug-2024	

<sup>1</sup>Results are reported as singlicate testing.

LGC = LGC Clinical Diagnostics; NEG = Negative

The package insert for this panel can be found at  
[www.seracare.com](http://www.seracare.com).

A printed copy of the package insert or data sheet may  
be requested by email at [CDx-Info@LGCGroup.com](mailto:CDx-Info@LGCGroup.com) or  
by phone at 508.244.6400.