

# AccuVert™ HIV-1 Seroconversion Panel

0600-0271 / Batch 10571150

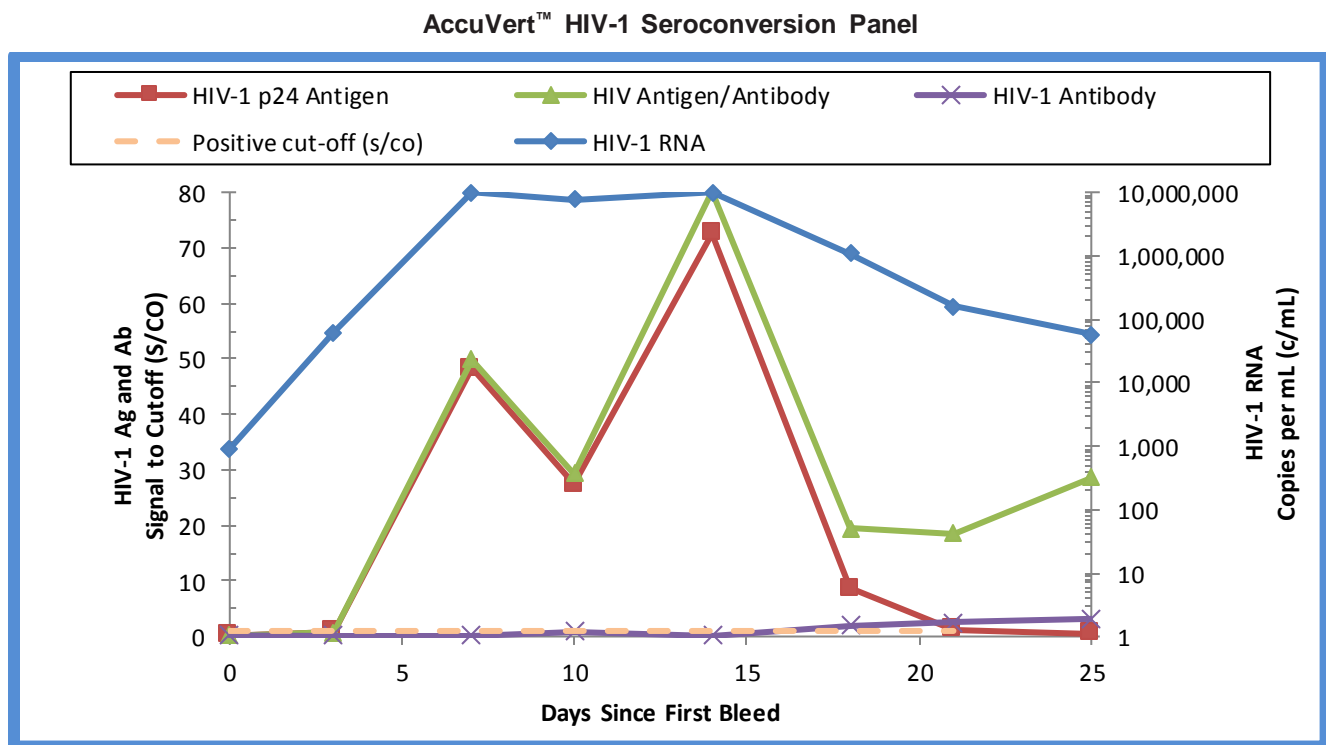
## OVERVIEW

AccuVert™ HIV-1 Seroconversion Panel 0600-0271 / Batch 10571150 is an 8-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.0 mL per vial) collected in the United States from an HIV-1 subtype B donor. Panel members represent serial bleeds collected from a single individual over 25 days in 2015 during the development of an HIV infection and subsequent response. No preservatives were added.

Test results from commercially-available HIV assays are included for characterization of the panel members.

For Research Use Only. Not for use in diagnostic procedures. Data are offered for informational purposes. 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 markers of HIV infection; all were found negative for HBsAg and anti-HCV. 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-1 Antigen/Antibody), Avioq HIV-1 microelisa (HIV-1 Antibody) and Roche COBAS (HIV-1 RNA) test methods.

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## Panel Member Information

Panel Member	SeraCare Batch#	SeraCare Donor ID #	Bleed Date	Days Since 1 <sup>st</sup> Bleed
01	10266915	BD328463	28-Aug-2015	0
02	10266916	BD328463	31-Aug-2015	3
03	10266917	BD328463	04-Sep-2015	7
04	10266918	BD328463	07-Sep-2015	10
05	10266919	BD328463	11-Sep-2015	14
06	10266920	BD328463	15-Sep-2015	18
07	10266921	BD328463	18-Sep-2015	21
08	10266922	BD328463	22-Sep-2015	25

## HIV-1 RNA and HIV-1 Antigen

Panel Member	Roche COBAS® AmpliPrep / COBAS® TaqMan® HIV-1 Test, v2.0 (c/mL) <sup>1,2</sup>	PerkinElmer HIV-1 p24 ELISA (S/CO) <sup>2</sup>
01	<b>9.1 x 10<sup>2</sup></b>	0.15
02	<b>6.2 x 10<sup>4</sup></b>	0.849; <b>1.057<sup>3</sup></b>
03	<b>&gt;1.0 x 10<sup>7*</sup></b>	<b>48.33</b>
04	<b>7.7 x 10<sup>6</sup></b>	<b>27.36</b>
05	<b>&gt;1.0 x 10<sup>7*</sup></b>	<b>72.52</b>
06	<b>1.1 x 10<sup>6</sup></b>	<b>8.61</b>
07	<b>1.6 x 10<sup>5</sup></b>	<b>1.29</b>
08	<b>5.7 x 10<sup>4</sup></b>	0.48
Test Date	24-Aug-2021	25-Aug-2021
Test Site	RL	SC
Kit Part Code	NA	NEK050A
Kit Lot No.	G33450	990-21072
Kit Exp. Date	31-Aug-2022	01-Feb-2022

<sup>1</sup>Results are reported as copies per milliliter (c/mL).

<sup>2</sup>Results are reported as the mean result of duplicate testing, except where noted; positive/reactive results are noted in bold red.

<sup>3</sup>Individual replicate result is reported.

\*Results are above the linear range of the assay.

RL = Reference Lab; SC = SeraCare; NA = Not Available

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## HIV Antigen/Antibody, HIV-1 Antibody, HIV-1/2 Antibody, and HIV-1/2 Rapid

Panel Member	Abbott ARCHITECT HIV Ag/Ab Combo (S/CO) <sup>1</sup>	Avioq HIV-1 Microelisa System (S/CO) <sup>1</sup>	Bio-Rad GS HIV-1/HIV- 2 PLUS O EIA (S/CO) <sup>1</sup>	OraQuick ADVANCE® Rapid HIV-1/2 Antibody Test <sup>2</sup>
01	0.12	0.21	0.35	Neg
02	0.71	0.22	0.21	Neg
03	<b>49.81</b>	0.22	0.23	Neg
04	<b>29.41</b>	0.86	<b>6.55</b>	Neg
05	<b>80.15</b>	0.24	0.30	Neg
06	<b>19.40</b>	<b>1.93</b>	<b>&gt;13.51*</b>	<b>Pos</b>
07	<b>18.56</b>	<b>2.49</b>	<b>&gt;13.51*</b>	<b>Pos</b>
08	<b>28.72</b>	<b>3.18</b>	<b>&gt;13.51*</b>	<b>Pos</b>
Test Date	19-Aug-2021	20-Aug-2021	23-Aug-2021	25-Aug-2021
Test Site	SC	SC	SC	SC
Kit Part Code	2P36	100384	32588	1001.0079
Kit Lot No.	29105BE00	20103H	109RBB-05	0006679523
Kit Exp. Date	08-Jan-2022	17-Nov-2021	30-Sep-2021	31-Dec-2022

<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 the result of singlicate testing; positive/reactive results are noted in bold red.

\*Results are off-scale.

SC = SeraCare

## HIV Confirmatory/Supplemental Assays

Panel Member	Bio-Rad GS HIV-1 Western Blot <sup>1</sup>		Bio-Rad Geenius™ HIV1/2 Supplemental Assay <sup>1</sup>		
	HIV-1 Result	Band Pattern	HIV-1 Result	HIV-2 Result	Band Pattern
01	Neg	No bands	Neg	Neg	No bands
02	Neg	No bands	Neg	Neg	No bands
03	Neg	No bands	Neg	Neg	No bands
04	Neg	No bands	Neg	Neg	No bands
05	Neg	No bands	Neg	Neg	No bands
06	Ind	24	<b>Pos</b>	Neg	41, 160
07	Ind	24, f160, 55	<b>Pos</b>	Neg	41, 160
08	<b>Pos</b>	24, 160, 55	<b>Pos</b>	Neg	41, 160
Test Date	20-Aug-2021		20-Aug-2021		
Test Site	SC		RL		
Kit Part Code	32508		NA		
Kit Lot No.	64416129		0J0052		
Kit Exp. Date	10-Nov-2021		24-Sep-2022		

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

f = faint band; SC = SeraCare; RL = Reference Lab;

NA = Not Available

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.