

# AccuVert™ HIV-1 Seroconversion Panel

0600-0252 / Batch #10611182

## OVERVIEW

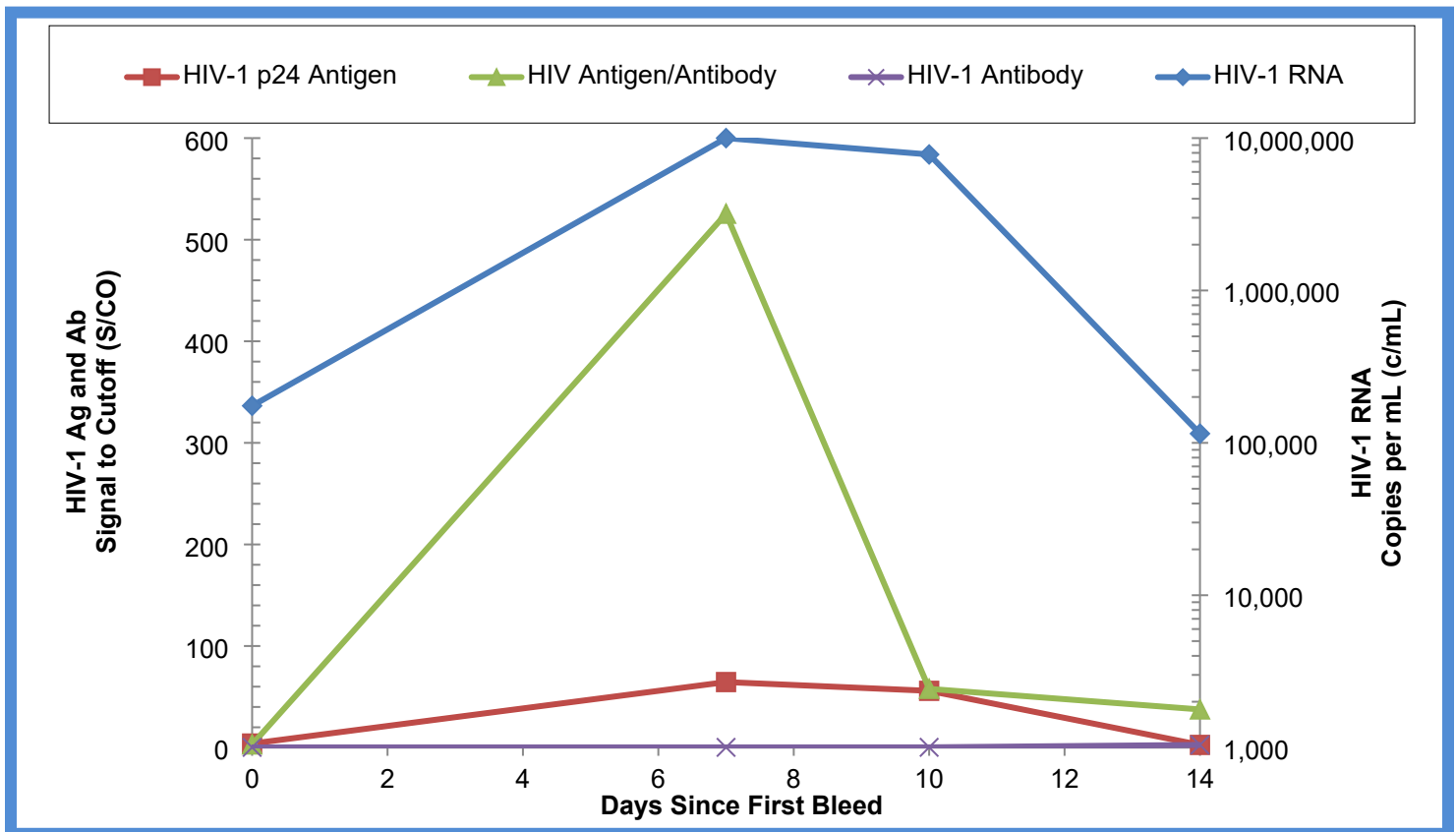
AccuVert™ HIV-1 Seroconversion Panel 0600-0252 / Batch #10611182 is a 4-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.0 mL per vial) collected from an HIV-1 donor. Panel members represent serial bleeds collected from a single donor over 14 days in 2008 during the 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 is positive for HIV-1 RNA and p24 antigen and demonstrates a change in expression from negative to positive for HIV antibody 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 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.

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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 #	Bleed Date	Days Since 1 <sup>st</sup> Bleed	Fiebig Stage <sup>1</sup>
01	9235389	03-Jun-2008	0	II
02	9235390	10-Jun-2008	7	II
03	9235388	13-Jun-2008	10	III
04	9235387	17-Jun-2008	14	IV

<sup>1</sup> Fiebig stages are categories that define phases of early HIV infection. See Fiebig EW, 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 HY, et al. Modeling sequence evolution in acute HIV-1 infection. JTB 2009, 261:341-360.

## HIV RNA and HIV Antigen Assays

Panel Member	Roche COBAS® AmpliPrep/COBAS® TaqMan HIV-1 Test v2.0 (copies/mL) <sup>1</sup>	PerkinElmer HIV-1 p24 ELISA (S/CO) <sup>1</sup>
01	<b>1.75 x 10<sup>5</sup></b>	<b>4.01</b>
02	<b>&gt;1.00 x 10<sup>7</sup></b>	<b>&gt;64.52</b>
03	<b>7.81 x 10<sup>6</sup></b>	<b>55.89</b>
04	<b>1.15 x 10<sup>5</sup></b>	<b>2.65</b>
Test Date	22-Mar-2022	15-Mar-2022
Test Site	RL	SC
Kit Part Code	NA	NEK050A
Kit Lot No.	NA	990-22041
Kit Exp. Date	NA	1-Nov-2022

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

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## HIV Antigen/Antibody Assays

Panel Member	Abbott ARCHITECT HIV Ag/Ab Combo (S/CO) <sup>1</sup>	Abbott Alinity s HIV Ag/Ab Combo (S/CO) <sup>1</sup>	Roche cobas® Elecsys HIV Duo (COI) <sup>1</sup>		Ortho VITROS HIV combo (S/CO) <sup>1</sup>
			HIV-1 p24 Ag	HIV-1/2 Ab	
01	<b>3.08</b>	<b>2.86</b>	<b>4.79</b>	0.08	<b>2.60</b>
02	<b>525.52</b>	<b>480.35</b>	<b>1367.50</b>	0.08	<b>764.00</b>
03	<b>57.83</b>	<b>54.98</b>	<b>101.00</b>	0.27	<b>63.75</b>
04	<b>37.57</b>	<b>43.44</b>	<b>3.17</b>	<b>10.05</b>	<b>14.70</b>
Test Date	16-Mar-2022	15-Mar-2022	24-Mar-2022		16-Mar-2022
Test Site	SC	RL	RL		RL
Kit Part Code	2P36	NA	NA		NA
Kit Lot No.	34163BE00	32578BE00	557282		0360
Kit Exp. Date	7-Jul-2022	06-Oct-2022	31-Oct-2022		12-Jan-2023

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

## HIV Antigen/Antibody, HIV Antibody Assays

Panel Member	Bio-Rad GS HIV-1/HIV-2 PLUS O EIA (S/CO) <sup>1</sup>	Avioq HIV-1 Microelisa System (S/CO) <sup>1</sup>	Siemens ADVIA Centaur® HIV Ag/Ab Combo (Index) <sup>1</sup>
02	0.09	0.24	<b>&gt;12.00</b>
03	<b>1.90</b>	0.29	<b>&gt;12.00</b>
04	<b>&gt;14.39</b>	<b>2.67</b>	<b>&gt;12.00</b>
Test Date	17-Mar-2022	18-Mar-2022	16-Mar-2022
Test Site	SC	SC	RL
Kit Part Code	32588	100384	NA
Kit Lot No.	156RBB-05	21104H	308
Kit Exp. Date	30-Apr-2022	2-May-2023	30-May-2022

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## HIV Rapid Tests

Panel Member	Alere Determine™ HIV-1/2 Ag/Ab Combo <sup>1</sup>		OraSure OraQuick Advance® Rapid HIV-1/2 Antibody Test <sup>1</sup>
	HIV Ag	HIV Ab	HIV-1/2 Ab
01	NEG	NEG	NEG
02	<b>POS</b>	NEG	NEG
03	<b>POS</b>	NEG	NEG
04	NEG	<b>POS</b>	<b>POS</b>
Test Date	21-Mar-2022		14-Mar-2022
Test Site	SC		SC
Kit Part Code	7D2648		1001.0079
Kit Lot No.	168386		0006684580
Kit Exp. Date	23-Feb-2023		31-Aug-2023

<sup>1</sup>Results are reported as singlicate testing; positive/reactive results are noted in bold red.  
SC = SeraCare; POS = Positive; NEG = Negative

## HIV Confirmatory Assay

Panel Member	Bio-Rad Genetic Systems™ HIV-1 Western Blot <sup>1</sup>	
	Band Pattern	Interpretation
01	No Bands	NEG
02	No Bands	NEG
03	No Bands	NEG
04	24(+), f160, f55	IND
Test Date	23-Mar-2022	
Test Site	SC	
Kit Part Code	32508	
Kit Lot No.	64456713	
Kit Exp. Date	1-Sep-2022	

<sup>1</sup>Results are reported as singlicate testing.  
f=faint band; SC = SeraCare; NEG = Negative; IND = Indeterminate

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HIV Confirmatory Assay (continued)

INNOGENETICS® INNO-LIA™ HIV I/II Score<sup>1</sup>

Band Results

Panel Member	HIV-1/2 Antibody	Band Results						
	Interpretation	sgp120	gp41	p31	p24	p17	sgp105	gp36
01	NEG	-	-	-	-	-	-	-
02	NEG	-	-	-	-	-	-	-
03	NEG	-	-	-	-	-	-	-
04	<b>HIV-1 POS</b>	-	2+	-	2+	-	-	-
Test Date	25-Mar-2022							
Test Site	RL							
Kit Part Code	NA							
Kit Lot No.	409067							
Kit Exp. Date	31-Aug-2022							

<sup>1</sup>Results are reported as singlicate testing; positive/reactive results are noted in bold red.  
RL = Reference Lab; NA = Not Available; POS = Positive; 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.