

AccuVert™ HIV-1 Seroconversion Panel

0600-0245 / Batch #10658813

OVERVIEW

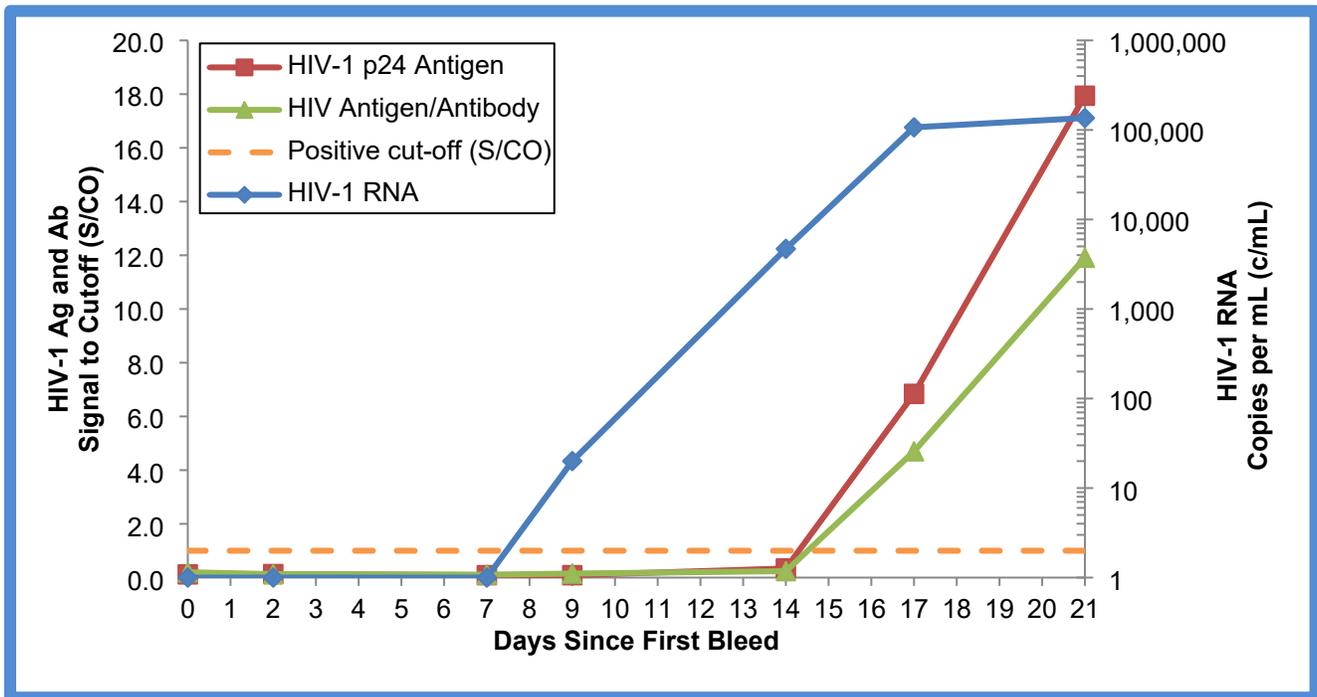
AccuVert™ HIV-1 Seroconversion Panel 0600-0245 / Batch #10658813 is a 7-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.0 mL per vial). Panel members represent serial bleeds collected from a single individual over the course of 21 days in 2000 during the development 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 assays 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.

AccuVert™ HIV-1 Seroconversion Panel



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) and Roche cobas® (HIV-1 RNA) test methods.

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Panel Member Information

Panel Member	SeraCare Batch #	Bleed Date	Days Since 1 st Bleed	Fiebig Stage ¹
01	9118587	28-Aug-2000	0	NA
02	9118586	30-Aug-2000	2	NA
03	9118585	04-Sep-2000	7	NA
04	9118584	06-Sep-2000	9	NA
05	9118583	11-Sep-2000	14	I
06	9118581	14-Sep-2000	17	II
07	9118582	18-Sep-2000	21	II/III

¹Fiebig 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® 6800/8800 HIV-1 RNA (copies/mL) ¹	PerkinElmer HIV-1 p24 ELISA (S/CO) ¹
01	TND	0.12
02	TND	0.13
03	TND, <20*	0.09
04	<20	0.09
05	4.70 x 10³	0.34
06	1.07 x 10⁵	6.84
07	1.36 x 10⁵	17.94
Test Date	12-Apr-2023	06-Apr-2023
Test Site	RL	SC
Kit Part Code	NA	NEK050A
Kit Lot No.	NA	990-22345
Kit Exp. Date	NA	01-Dec-2023

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

*Interpretation variability; individual replicates reported.

TND = Target Not Detected; RL = Reference Lab; SC = SeraCare; NA = Not Available

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HIV Antigen/Antibody Assays

Panel Member	Abbott ARCHITECT HIV Ag/Ab Combo (S/CO) ¹	Abbott Alinity s HIV Ag/Ab Combo (S/CO) ¹	Roche cobas® Elecsys HIV combi PT (COI) ¹
01	0.20	0.07	0.38
02	0.13	0.07	0.35
03	0.11	0.07	0.32
04	0.15	0.06	0.29
05	0.24	0.20	0.47
06	4.70	4.79	3.62
07	11.91	12.42	8.61
Test Date	05-Apr-2023	06-Apr-2023	25-Apr-2023
Test Site	SC	RL	RL
Kit Part Code	2P36	NA	NA
Kit Lot No.	48024BE00	47469BE00	NA
Kit Exp. Date	13-Aug-2023	28-Nov-2023	NA

¹Results 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 Assays

Panel Member	Bio-Rad GS HIV-1/HIV-2 PLUS O EIA (S/CO) ¹	Siemens ADVIA Centaur® HIV Ag/Ab Combo (Index) ¹	Ortho VITROS HIV combo (S/CO) ¹
01	0.11	0.20	0.08
02	0.08	0.22	0.08
03	0.07	0.18	0.07
04	0.06	0.17	0.08
05	0.11	0.33	0.19
06	0.07	2.81	10.10
07	0.44	6.56	29.15
Test Date	11-Apr-2023	06-Apr-2023	06-Apr-2023
Test Site	SC	RL	RL
Kit Part Code	32588	NA	NA
Kit Lot No.	192TBB-05	59672329	460
Kit Exp. Date	30-Jun-2023	28-Aug-2023	31-Jul-2023

¹Results 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 Rapid Test

Alere Determine™ HIV-1/2 Ag/Ab Combo¹

Panel Member	HIV Ag	HIV Ab
01	NEG	NEG
02	NEG	NEG
03	NEG	NEG
04	NEG	NEG
05	NEG	NEG
06	POS	NEG
07	POS	NEG
Test Date	06-Apr-2023	
Test Site	SC	
Kit Part Code	7D2648	
Kit Lot No.	224458	
Kit Exp. Date	28-Aug-2024	

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

HIV Confirmatory Assay

Bio-Rad Genetic Systems™ HIV-1 Western Blot¹

Panel Member	Band Pattern	HIV-1 Interpretation
01	No bands	NEG
02	No bands	NEG
03	No bands	NEG
04	No bands	NEG
05	No bands	NEG
06	No bands	NEG
07	f18	IND
Test Date	07-Apr-2023	
Test Site	SC	
Kit Part Code	32508	
Kit Lot No.	64492796	
Kit Exp. Date	31-May-2023	

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

The package insert for this panel can be found at www.seracare.com.

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