

AccuVert™ HIV-1 Seroconversion Panel

0600-0260 / Batch # 10682255

OVERVIEW

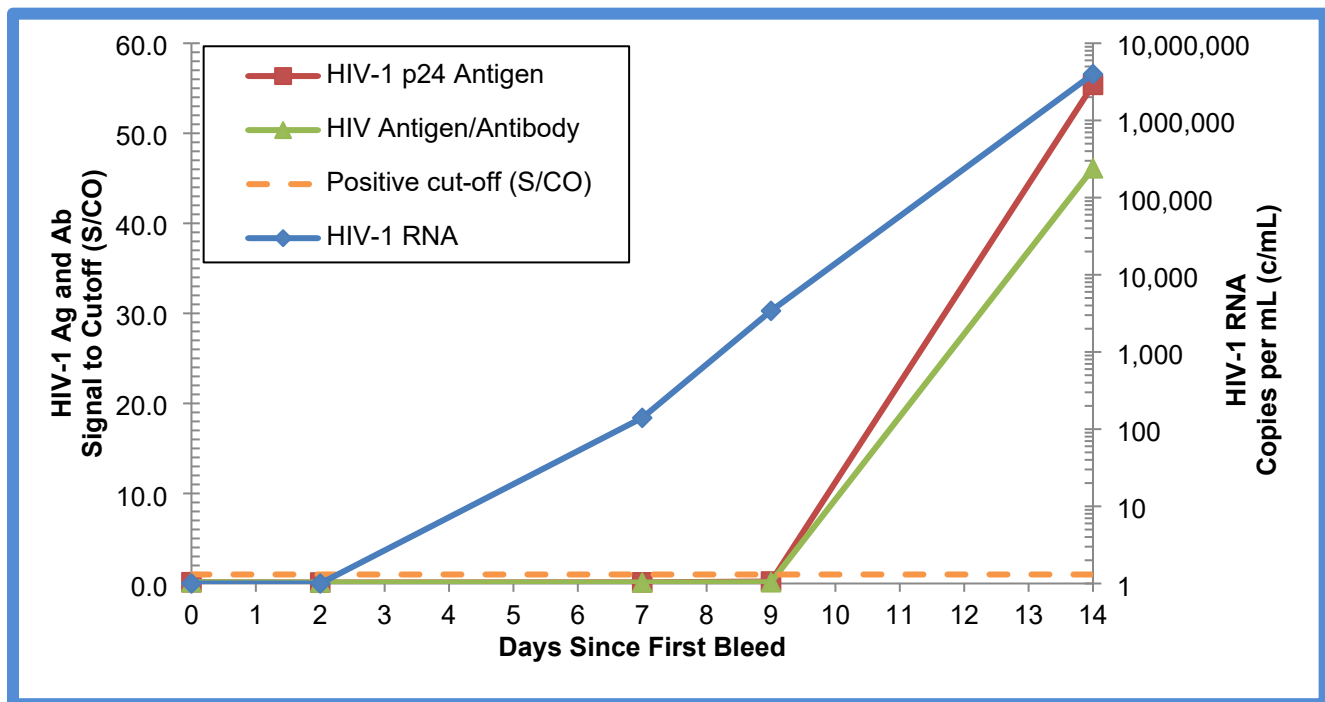
AccuVert™ HIV-1 Seroconversion Panel 0600-0260 / Batch #10682255 is a 5-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.2 mL per vial). Panel members represent serial bleeds collected from a single individual over the course of 14 days in 2002 during the development 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 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), 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 st Bleed	Fiebig Stage ¹
01	9251690	BD110941	14-May-2002	0	NA
02	9252330	BD110941	16-May-2002	2	NA
03	9251691	BD110941	21-May-2002	7	I
04	9252331	BD110941	23-May-2002	9	I
05	9251692	BD110941	28-May-2002	14	II

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.
NA = Not Available

HIV RNA and HIV Antigen Assays¹

Panel Member	Roche cobas® 6800/8800 HIV-1 RNA (copies/mL)	Abbott Alinity m HIV-1 RNA (copies/mL)	PerkinElmer HIV-1 p24 ELISA (S/CO)
01	TND	<2.00 x 10 ¹	0.14
02	TND	<2.00 x 10 ¹	0.11
03	1.40 x 10²	6.70 x 10¹	0.13
04	3.41 x 10³	1.58 x 10³	0.22
05	3.98 x 10⁶	1.95 x 10⁶	55.38
Test Date	09-Sep-2023	07-Sep-2023	07-Sep-2023
Test Site	RL	RL	LGC
Kit Part Code	NA	NA	NEK050A
Kit Lot No.	NA	381606	990-23261
Kit Exp. Date	NA	06-Oct-2024	01-May-2024

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

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HIV Antigen/Antibody Assays¹

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)	Bio-Rad GS HIV-1/HIV-2 PLUS O EIA (S/CO)
01	0.14	0.06	0.29	0.16
02	0.11	0.07	0.25	0.13
03	0.11	0.07	0.29	0.11
04	0.14	0.11	0.29	0.14
05	46.11	44.00	20.02	0.15
Test Date	07-Sep-2023	07-Sep-2023	28-Sep-2023	08-Sep-2023
Test Site	LGC	RL	RL	LGC
Kit Part Code	2P36	NA	NA	32588
Kit Lot No.	50176BE00	51481BE00	NA	212UBB-05
Kit Exp. Date	28-Oct-2023	23-Apr-2024	NA	31-Oct-2023

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

HIV Rapid Test¹

Alere Determine™ HIV-1/2 Ag/Ab Combo		
Panel Member	HIV Ag	HIV Ab
01	NEG	NEG
02	NEG	NEG
03	NEG	NEG
04	NEG	NEG
05	POS	NEG
Test Date	06-Sep-2023	
Test Site	LGC	
Kit Part Code	7D2648	
Kit Lot No.	237258	
Kit Exp. Date	28-Nov-2024	

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

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HIV Confirmatory Assay¹

Bio-Rad Genetic Systems™ HIV-1 Western Blot

Panel Member	Band Pattern	Interpretation
01	No Bands	Negative
02	No Bands	Negative
03	No Bands	Negative
04	No Bands	Negative
05	No Bands	Negative
Test Date	15-Sep-2023	
Test Site	LGC	
Kit Part Code	32508	
Kit Lot No.	64527588	
Kit Exp. Date	22-May-2024	

¹Results are reported as singlicate testing.
LGC = LGC Clinical Diagnostics

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.