

AccuVert™ HIV-1 Seroconversion Panel

0600-0272 / Batch #10590805

OVERVIEW

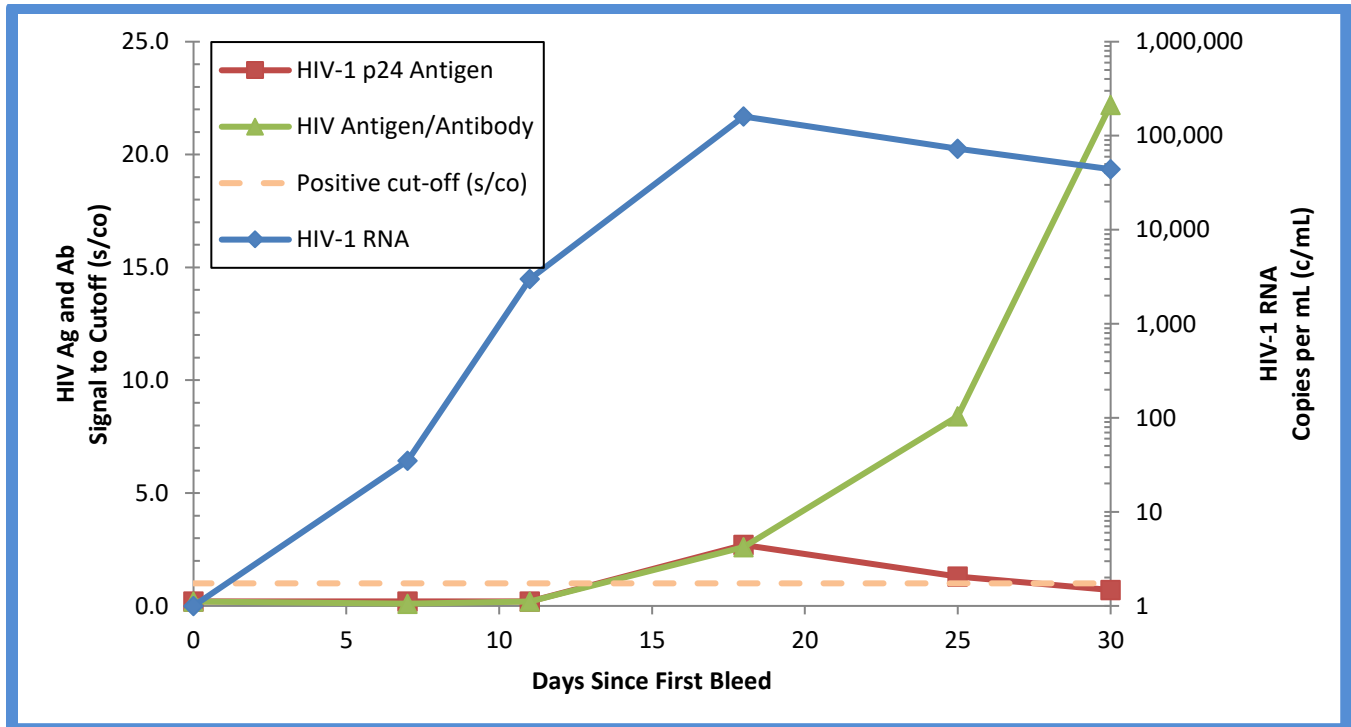
AccuVert™ HIV-1 Seroconversion Panel 0600-0272 / Batch #10590805 is a 6-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.0 mL) collected in the United States from an HIV-1 subtype B donor. Panel members represent serial bleeds collected from a single individual over 30 days in 2015 and 2016 during the development of an HIV infection and subsequent response.

Test results from commercially available HIV assays are included for characterization of each panel member. This panel of human plasma samples demonstrates a change in expression from negative to positive for HIV-1 antigen and antibodies 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 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
01	10266940	BD328472	19-Dec-2015	0
02	10266941	BD328472	26-Dec-2015	7
03	10266942	BD328472	30-Dec-2015	11
04	10266943	BD328472	06-Jan-2016	18
05	10266944	BD328472	13-Jan-2016	25
06	10266945	BD328472	18-Jan-2016	30

HIV RNA, HIV Antigen, and HIV Genotype Assays

Panel Member	Roche COBAS® AmpliPrep/COBAS® TaqMan HIV-1 Test v2.0 (copies/mL) ¹	PerkinElmer HIV-1 p24 ELISA (S/CO) ²	HIV-1 Genotype Result ^{1,3}
01	TND	0.2	UTG
02	3.5 x 10¹	0.2	B
03	3.0 x 10³	0.2	B
04	1.6 x 10⁵	2.7	B
05	7.3 x 10⁴	1.3	B
06	4.4 x 10⁴	0.7	B
Test Date	20-Dec-2021	17-Dec-2021	17-Dec-2021, 22-Dec-2021
Test Site	RL	SC	RL
Kit Part Code	NA	NEK050B	NA
Kit Lot No.	G33450	990-21091	NA
Kit Exp. Date	31-Aug-2022	01-Mar-2022	NA

¹Results are reported as singlicate testing; positive/reactive results are noted in bold red.

²Results are reported as the mean result of duplicate testing; positive/reactive results are noted in bold red.

³Assay is a laboratory-developed test

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

TND = Target Not Detected; UTG= Unable to genotype

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HIV Antigen/Antibody, HIV Antibody and HIV Rapid Assays

Panel Member	Abbott Alinity s HIV Ag/Ab Combo (S/CO) ¹	Bio-Rad GS HIV-1/HIV-2 PLUS O EIA (S/CO) ¹	Roche cobas® Elecys HIV Duo (COI) ¹		Abbott ARCHITECT HIV Ag/Ab Combo (S/CO) ¹	Orasure OraQuick ADVANCE Rapid HIV-1/2 Ab Result ²
			HIV-1 p24 Ag	HIV-1/2 Ab		
01	0.1	0.1	0.2	0.1	0.2	NEG
02	0.1	0.1	0.2	0.1	0.1	NEG
03	0.1	0.1	0.2	0.1	0.2	NEG
04	2.1	0.1	1.9	0.1	2.6	NEG
05	5.8	>14.9 *	1.1	0.2	8.4	NEG
06	14.5	>14.9 *	0.8	11.7	22.2	POS
Test Date	09-Dec-2021	13-Dec-2021	11-Dec-2021		07-Dec-2021	16-Dec-2021
Test Site	RL	SC	RL		SC	SC
Kit Part Code	NA	32588	NA		2P36	1001.0079
Kit Lot No.	27259BE00	132RBB-05	557282		31280BE00	0006683550
Kit Exp. Date	17-Feb-2022	31-Dec-2021	31-Oct-2022		25-Apr-2022	31-Jul-2023

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

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

*Result is off scale.

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

POS = Positive; NEG = Negative

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HIV Confirmatory Assay

Bio-Rad Genetic Systems™ HIV-1 Western Blot¹

Panel Member	Band Pattern	Interpretation
01	No bands	NEG
02	No bands	NEG
03	No bands	NEG
04	No bands	NEG
05	24 (+), f55	IND
06	24 (++) , 55 (+)	IND
Test Date	17-Dec-2021	
Test Site	SC	
Kit Part Code	32508	
Kit Lot No.	64440573	
Kit Exp. Date	30-Jun-2022	

¹Results are reported as singlicate testing.

f= faint band

SC = SeraCare;

NEG = Negative; IND = Indeterminate

HIV-1/2 Supplemental Assay

Bio-Rad Geenius™ HIV 1/2 Supplemental Assay¹

Panel Member	HIV-1 Result	HIV-2 Result	Positive Bands
01	NEG	NEG	No bands
02	NEG	NEG	No bands
03	NEG	NEG	No bands
04	NEG	NEG	No bands
05	NEG	NEG	No bands
06	POS	NEG	gp160, gp41
Test Date	08-Dec-2021		
Test Site	RL		
Kit Part Code	NA		
Kit Lot No.	1E0056		
Kit Exp. Date	28-Apr-2023		

¹Results 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.

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.