

AccuVert™ HIV-1 Seroconversion Panel

0600-0253 (PRB971-1.0) / Batch #10153430

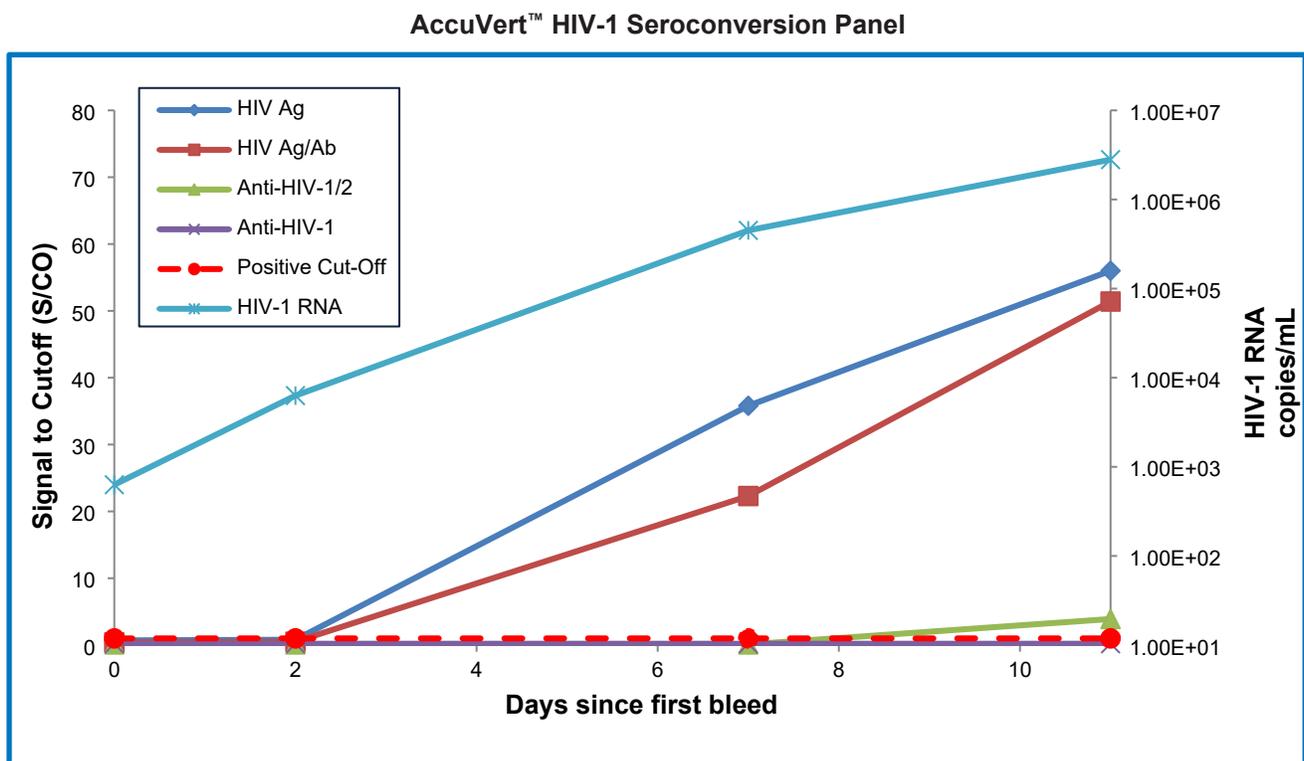
OVERVIEW

AccuVert™ HIV-1 Seroconversion Panel 0600-0253 (PRB971-1.0) / Batch #10153430 is a 4-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 donor over 11 days 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 converts from negative to positive for HIV antibody and p24 antigen.

For Research Use Only. Not for use in diagnostic procedures. Data are provided 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, illustrated with test results over time for different analytes or analyte combinations. Assays displayed are Zepotmetrix HIV Ag, Abbott AxSYM HIV Ag/Ab, Ortho Vitros HIV-1/HIV-2, Avioq Microelisa HIV-1, and the Abbott m2000 HIV RNA.

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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	9118588	BD110061	28-Feb-00	0	I
02	9118589	BD110061	01-Mar-00	2	I
03	9118590	BD110061	06-Mar-00	7	II
04	9118591	BD110061	10-Mar-00	11	III

¹ 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 (copies/mL)

Panel Member	Roche cobas® 6800/8800 HIV-1 RNA	Abbott HIV RNA m2000	Roche HIV RNA CAP/CTM v1.0	Siemens HIV RNA bDNA
01	3.30E+02	6.3 x 10²	6.8 x 10²	2.7 x 10²
02	4.86E+03	6.3 x 10³	5.1 x 10³	3.1 x 10³
03	3.44E+05	4.5 x 10⁵	3.2 x 10⁵	2.4 x 10⁵
04	2.16E+06	2.8 x 10⁶	2.6 x 10⁶	>5.0 x 10⁶
Test Date	15-Dec-25	13-May-10	19-May-10	18-Jun-10
Test Site	RL	RL	SC	RL
Kit Part Code	NA	6L18	03542998 190	127418 A&B
Kit Lot No.	NA	422866	M15645	D079
Kit Exp. Date	NA	05-May-11	31-Jan-11	28-Sep-10

Positive/reactive results are noted in bold red.

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

HIV Antigen

Panel Member	Revvity HIV-1 p24 ELISA (s/co) ²	Zeptomatrix HIV Ag p24 (s/co) ²	bioMerieux HIVAg VIDAS p24 (pg/mL) ³
01	0.10	0.7	<3.0
02	0.44	0.8	<3.0
03	61.56	35.8	248.7
04	>74.07	56.0	>400.0
Test Date	23-Oct-2025	25-May-10	30-Jun-10
Test Site	SC	SC	RL
Kit Part Code	NEK050A	801111	30 117
Kit Lot No.	990-25252	306346	838404801
Kit Exp. Date	01-May-26	12-Mar-11	17-Oct-10

²Immunoassay results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios ≥1.0 are considered reactive and noted in red.

³Quantitative HIV antigen results are means of duplicates expressed in pg/mL. Results ≥3.0 are considered positive and noted in red.

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HIV Antigen/Antibody Assays (s/co)⁴

Panel Member	Abbott HIV Ag/Ab AxSYM Combo	Abbott HIV Ag/Ab PRISM Combo	Abbott HIV Ag/Ab ARCHITECT Combo	Bio-Rad Genscreen Ultra HIV Ag/Ab Combo	Murex HIV Ag/Ab Combo
01	0.4	0.1	0.1	0.4	0.3
02	0.5	0.2	0.4	0.5	0.4
03	22.3	31.6	43.8	>11.0	18.5
04	51.4	69.7	171.8	>11.0	>19.7
Test Date	27-May-10	26-Jul-10	23-Oct-25	29-Jun-10	22-Jun-10
Test Site	RL	RL	SC	SC	RL
Kit Part Code	268320	7G46-48	2P36	72386	7G79-02
Kit Lot No.	87248LF00	0592/10	77575BE00	0A1050	L397910
Kit Exp. Date	02-Sep-10	07-Dec-10	11-Feb-26	30-May-11	31-Dec-10

⁴Immunoassay results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios ≥ 1.0 are considered reactive and noted in red
RL = Reference Lab; SC = LGC SeraCare

HIV Antibody (s/co)⁴

Panel Member	Avioq HIV-1 Microelisa System	Genetic Systems HIV-1 rLAV	Abbott HIV-1/HIV-2 rDNA	Bio-Rad HIV-1/HIV-2 Plus O Gen Sys	Ortho HIV-1/HIV-2 Vitros ECi	Siemens HIV1/O/2 Enhanced Advia Centaur
01	0.2	0.1	0.1	0.3	0.1	0.0
02	0.2	0.1	0.2	0.1	0.1	0.0
03	0.2	0.0	0.2	0.1	0.1	0.0
04	0.2	0.1	0.7	2.9	3.9	1.0
Test Date	14-Jun-10	11-May-10	14-Jul-10	28-Oct-2025	08-Jul-10	22-Jun-10
Test Site	SC	SC	SC	SC	RL	RL
Kit Part Code	100384	32511	3A77-68	32588	6801861	01463908
Kit Lot No.	J0904	197DAA-05	83470M500	439WBB-05	0330	53445061
Kit Exp. Date	12-Jan-11	01-Jun-10	22-Aug-10	31-Jan-2026	25-Jan-11	19-Sep-10

⁴Immunoassay results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios ≥ 1.0 are considered reactive and noted in red
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Anti-HIV Confirmatory and Rapid Tests

Panel Member	Bio-Rad GS HIV-1 Western Blot Band Pattern	Bio-Rad GS HIV-1 Western Blot Result	Innogenetics INNO-LIA HIV I/II Band Pattern	Innogenetics INNO-LIA HIV I/II Result	Inverness Determine HIV-1/2 Ag/Ab Combo HIV Ag	Inverness Determine HIV-1/2 Ag/Ab Combo HIV-1/2
01	No Bands	NEG	No Bands	NEG	NEG	NEG
02	No Bands	NEG	No Bands	NEG	NEG	NEG
03	No Bands	NEG	No Bands	NEG	POS	NEG
04	No Bands	NEG	No Bands	NEG	POS	NEG
Test Date	22-Jun-10	22-Jun-10	30-Jun-10	30-Jun-10	25-Jun-10	25-Jun-10
Test Site	SC	SC	RL	RL	SC	SC
Kit Part Code	32508	32508	80540	80540	7D26-46	7D26-46
Kit Lot No.	966550	966550	202524	202524	100203	100203
Kit Exp. Date	03-Dec-10	03-Dec-10	01-Jan-11	01-Jan-11	04-Dec-10	04-Dec-10

POS=positive; NEG=negative
RL = Reference Lab; SC = SeraCare

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.