

# HIV-1 AccuVert™ Seroconversion Panel 0600-0253 (PRB971-1.0)

## OVERVIEW

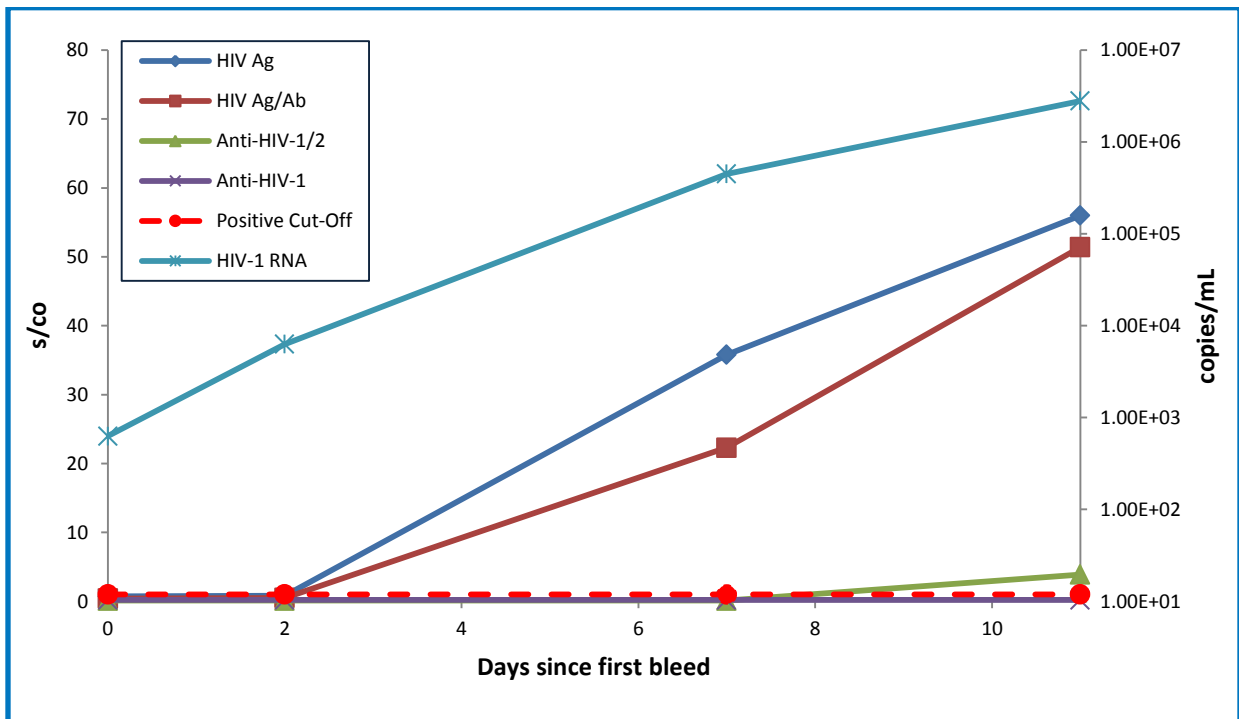
HIV-1 AccuVert™ Seroconversion Panel 0600-0253 (PRB971-1.0) is a 4-member panel of undiluted, naturally-occurring plasma samples collected from a single donor over 11 days (1 vial per member, 1.0 mL per vial). Each sample represents a single collection event. No preservatives were added.

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. The units that make up this panel were tested for HBsAg and anti-HCV and found to be negative. This does not ensure the absence of these or other human pathogens.

Evolution of HIV Markers in Early Infection



This graph demonstrates the evolution of early HIV infection, illustrated with test results over time for different analytes or analyte combinations. Assays displayed are Zeptometrix 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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## Seroconversion Panel

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### Panel Member Information

Panel Member	SeraCare Batch #	SeraCare Donor ID #	Bleed Date	Days Since 1st Bleed	Fiebig Stage1
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

<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 (copies/mL)

Panel Member	Abbott HIV RNA m2000	Roche HIV RNA CAP/CTM v1.0	Siemens HIV RNA bDNA
01	$6.3 \times 10^2$	$6.8 \times 10^2$	$2.7 \times 10^2$
02	$6.3 \times 10^3$	$5.1 \times 10^3$	$3.1 \times 10^3$
03	$4.5 \times 10^5$	$3.2 \times 10^5$	$2.4 \times 10^5$
04	$2.8 \times 10^6$	$2.6 \times 10^6$	$>5.0 \times 10^6$
Test Date	13-May-10	19-May-10	18-Jun-10
Test Site	RL	SC	RL
Kit Part Code	6L18	03542998 190	127418 A&B
Kit Lot No.	422866	M15645	D079
Kit Exp. Date	05-May-11	31-Jan-11	28-Sep-10

### HIV Antigen

Panel Member	Perkin Elmer HIV Ag p24 (s/co) <sup>2</sup>	Zeptometrix HIV Ag p24 (s/co) <sup>2</sup>	bioMerieux HIVAg VIDAS p24 (pg/mL) <sup>3</sup>
01	0.2	0.7	<3.0
02	0.7	0.8	<3.0
03	<b>&gt;47.6</b>	<b>35.8</b>	<b>248.7</b>
04	<b>&gt;47.6</b>	<b>56.0</b>	<b>&gt;400.0</b>
Test Date	11-May-10	25-May-10	30-Jun-10
Test Site	SC	SC	RL
Kit Part Code	NEK050B	801111	30 117
Kit Lot No.	990-100306	306346	838404801
Kit Exp. Date	01-Nov-10	12-Mar-11	17-Oct-10

<sup>2</sup>Immunoassay results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios  $\geq 1.0$  are considered reactive and noted in red.

<sup>3</sup>Quantitative HIV antigen results are means of duplicates expressed in pg/mL. Results  $\geq 3.0$  are considered positive and noted in red.

RL = Reference Lab; SC = SeraCare

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### HIV Antigen/Antibody (s/co)<sup>4</sup>

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	<b>22.3</b>	<b>31.6</b>	<b>52.2</b>	<b>&gt;11.0</b>	<b>18.5</b>
04	<b>51.4</b>	<b>69.7</b>	<b>196.6</b>	<b>&gt;11.0</b>	<b>&gt;19.7</b>
Test Date	27-May-10	26-Jul-10	03-Jun-10	29-Jun-10	22-Jun-10
Test Site	RL	RL	RL	SC	RL
Kit Part Code	268320	7G46-48	4J27-30	72386	7G79-02
Kit Lot No.	87248LF00	0592/10	81321HN00	0A1050	L397910
Kit Exp. Date	02-Sep-10	07-Dec-10	06-Aug-10	30-May-11	31-Dec-10

### HIV Antibody (s/co)<sup>4</sup>

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	0.1	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	<b>2.1</b>	<b>3.9</b>	<b>1.0</b>
Test Date	14-Jun-10	11-May-10	14-Jul-10	15-Jul-10	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	042EBB-05	0330	53445061
Kit Exp. Date	12-Jan-11	01-Jun-10	22-Aug-10	14-Oct-10	25-Jan-11	19-Sep-10

<sup>4</sup>Immunoassay results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios  $\geq 1.0$  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	Inverness Determine HIV-1/2 Ag/Ab
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](http://www.seracare.com)

A printed copy of the package insert or  
data sheet may be requested by email  
at [info@seracare.com](mailto:info@seracare.com) or by phone at 508.244.6400

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