

**OVERVIEW**

This Data Sheet contains test results specific for HIV-1 Seroconversion Panel PRB967.

Panel Members are undiluted aliquots from plasma units collected from a single donor. No preservatives were added.

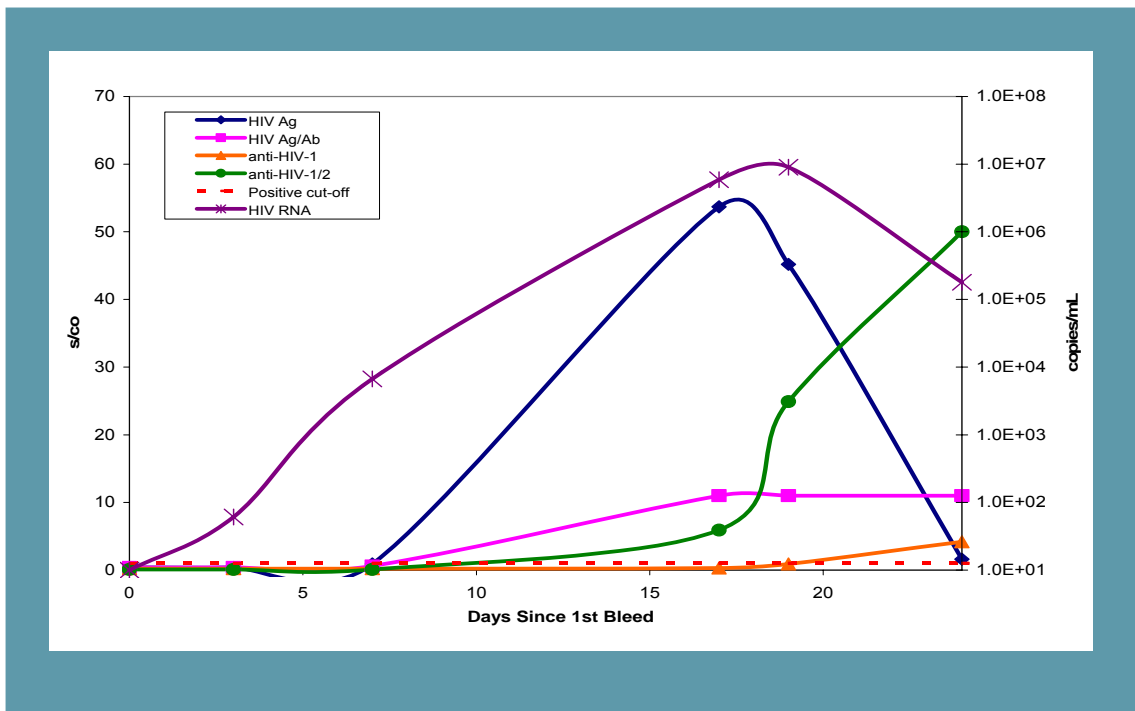
CAUTION: Potentially infectious materials. Follow Universal Precautions. Some panel members were found positive for anti-HIV; all were found negative for HBsAg and anti-HCV.

For Research Use Only.

Not for use in diagnostic procedures.

Data are offered for informational purposes only. SeraCare Life Sciences does not claim these results can be duplicated exactly.

**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.*

DATA SHEET

PRB967

HIV RNA (copies/mL)

Panel Member	Bleed Date	Days Since 1 <sup>st</sup> Bleed	Fiebig Stage <sup>1</sup>	Abbott HIV RNA m2000	Roche HIV RNA CAP/CTM v1.0	Siemens HIV RNA bDNA
PRB967-01	20-Jul-01	0	NA	BLD	BLD	BLD
PRB967-02	23-Jul-01	3	I	BLD	6.1 x 10 <sup>1</sup>	BLD
PRB967-03	27-Jul-01	7	I	4.8 x 10 <sup>3</sup>	6.7 x 10 <sup>3</sup>	2.2 x 10 <sup>3</sup>
PRB967-04	06-Aug-01	17	III	3.7 x 10 <sup>6</sup>	5.9 x 10 <sup>6</sup>	>5.0 x 10 <sup>5</sup>
PRB967-05	08-Aug-01	19	III	4.5 x 10 <sup>6</sup>	9.0 x 10 <sup>6</sup>	>5.0 x 10 <sup>5</sup>
PRB967-06	13-Aug-01	24	VI	1.1 x 10 <sup>5</sup>	1.8 x 10 <sup>5</sup>	5.8 x 10 <sup>4</sup>
Test Date				13-May-10	19-May-10	18-Jun-10
Test Site				RL	SC	RL
Kit Part Code				6L18	3542998	127418 A&B
Kit Lot No.				422866	M15645	D079
Kit Exp Date				05-May-11	31-Jan-11	28-Sep-10

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 Antigen

Panel Member	Bleed Date	Days Since 1 <sup>st</sup> Bleed	Perkin Elmer HIVAg p24 (s/co) <sup>2</sup>	Zeptomatrix HIVAg p24 (s/co) <sup>2</sup>	bioMerieux HIVAg VIDAS p24 (pg/mL) <sup>3</sup>
PRB967-01	20-Jul-01	0	0.2	0.4	<3.0
PRB967-02	23-Jul-01	3	0.2	0.4	<3.0
PRB967-03	27-Jul-01	7	0.6	0.9	<3.0
PRB967-04	06-Aug-01	17	>47.6	53.7	>400.0
PRB967-05	08-Aug-01	19	>47.6	45.2	>400.0
PRB967-06	13-Aug-01	24	4.4	1.6	10.5
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

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

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

POS=positive; NEG=negative; BLD=below the limit of detection; NA=not available; f=faint; IND=Indeterminate

MFG = Manufacturer; RL = Reference Lab; SC = SeraCare



DATA SHEET

PRB967

HIV Antigen/Antibody (s/co) <sup>1</sup>

Panel Member	Bleed Date	Days Since 1 <sup>st</sup> Bleed	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
PRB967-01	20-Jul-01	0	0.4	0.1	0.1	0.4	0.3
PRB967-02	23-Jul-01	3	0.4	0.1	0.1	0.4	0.3
PRB967-03	27-Jul-01	7	0.6	0.4	0.6	0.6	0.4
PRB967-04	06-Aug-01	17	60.1	136.2	299.1	>11.0	>19.7
PRB967-05	08-Aug-01	19	42.5	81.5	204.9	>11.0	>19.7
PRB967-06	13-Aug-01	24	9.1	8.4	140.1	>11.0	16.5
Test Date			27-May-10	12-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	89287HN00	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>1</sup>

Panel Member	Bleed Date	Days Since 1 <sup>st</sup> Bleed	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
PRB967-01	20-Jul-01	0	0.2	0.1	0.3	0.1	0.1	0.1
PRB967-02	23-Jul-01	3	0.2	0.1	0.3	0.1	0.1	0.1
PRB967-03	27-Jul-01	7	0.2	0.1	0.2	0.1	0.1	0.0
PRB967-04	06-Aug-01	17	0.3	0.2	2.5	>11.1	12.4	5.9
PRB967-05	08-Aug-01	19	0.9	0.5	8.3	>11.1	34.9	24.9
PRB967-06	13-Aug-01	24	4.2	2.6	8.4	>11.1	44.5	>50.0
Test Date			14-Jun-10	11-May-10 25-May-10	28-May-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	87018M500	042EBB-05	0330	53445061
Kit Exp Date			12-Jan-11	01-Jun-10	28-Jul-10	14-Oct-10	25-Jan-11	19-Sep-10

<sup>1</sup> Immunoassay results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios ≥1.0 are considered reactive and noted in red

POS=positive; NEG=negative; BLD=below the limit of detection; NA=not available; f=faint; IND=Indeterminate  
MFG = Manufacturer; RL = Reference Lab; SC = SeraCare

Anti-HIV Confirmatory and Rapid Tests

Panel Member	Bleed Date	Days Since 1 <sup>st</sup> Bleed	Bio-Rad Western Blot Band Pattern	Bio-Rad 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
PRB967-01	20-Jul-01	0	No Bands	NEG	No Bands	NEG	NEG	NEG
PRB967-02	23-Jul-01	3	No Bands	NEG	No Bands	NEG	NEG	NEG
PRB967-03	27-Jul-01	7	No Bands	NEG	No Bands	NEG	NEG	NEG
PRB967-04	06-Aug-01	17	No Bands	NEG	No Bands	NEG	POS	NEG
PRB967-05	08-Aug-01	19	No Bands	NEG	41	IND	POS	POS
PRB967-06	13-Aug-01	24	24, 31, 55, 160	POS	24, 41, f120	POS	NEG	POS
Test Date				22-Jun-10	30-Jun-10		25-Jun-10	
Test Site				SC	RL		SC	
Kit Part Code				32508	80540		7D26-46	
Kit Lot No.				966550	202524		100203	
Kit Exp Date				03-Dec-10	01-Jan-11		04-Dec-10	

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MFG = Manufacturer; RL = Reference Lab; SC = SeraCare

For assistance, contact SeraCare Technical Support at 508.244.6400

A printed PI and Data Sheet may be requested by email to [info@seracare.com](mailto:info@seracare.com), or by phone to 508.244.6400