

HIV-1 Seroconversion Panel

DATA SHEET

PRB967

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.

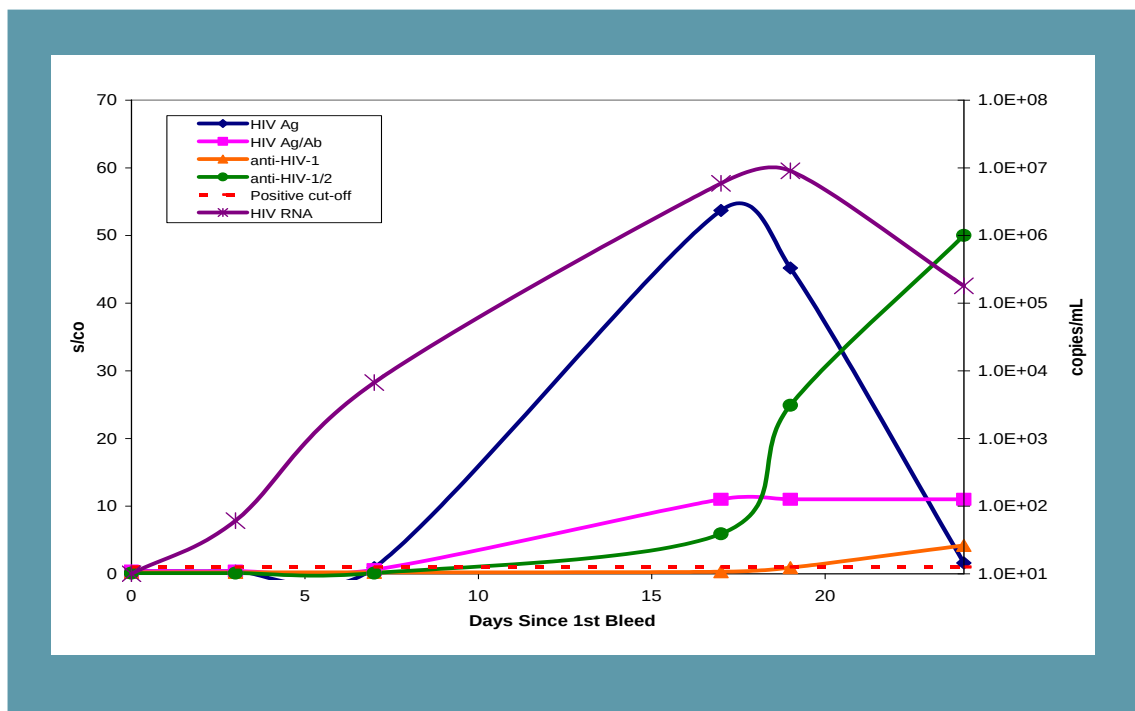
CAUTION: Potentially infectious materials. Follow Universal Precautions. Some panel members were found positive for anti-HIV; all were found negative for HBsAg and anti-HCV.

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.

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HIV RNA (copies/mL)

Panel Member	Bleed Date	Days Since 1 st Bleed	Fiebig Stage ¹	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 ¹	BLD
PRB967-03	27-Jul-01	7	I	4.8 x 10 ³	6.7 x 10 ³	2.2 x 10 ³
PRB967-04	06-Aug-01	17	III	3.7 x 10 ⁶	5.9 x 10 ⁶	>5.0 x 10 ⁵
PRB967-05	08-Aug-01	19	III	4.5 x 10 ⁶	9.0 x 10 ⁶	>5.0 x 10 ⁵
PRB967-06	13-Aug-01	24	VI	1.1 x 10 ⁵	1.8 x 10 ⁵	5.8 x 10 ⁴
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 st Bleed	Perkin Elmer HIVAg p24 (s/co) ²	Zeptometrix HIVAg p24 (s/co) ²	bioMerieux HIVAg VIDAS p24 (pg/mL) ³
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

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HIV Antigen/Antibody (s/co) ¹

Panel Member	Bleed Date	Days Since 1 st 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) ¹

Panel Member	Bleed Date	Days Since 1 st 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

¹ Immunoassay 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	Bleed Date	Days Since 1 st 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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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, or by phone to 508.244.6400