

OVERVIEW

This Data sheet contains test results specific for HIV-1 Seroconversion Panel PRB964. Panel members are undiluted, aliquots from plasma units without preservatives collected over 22 days in 2006 from a 27-year-old male. PRB964-06 is a challenging sample for HIV antigen or antigen/antibody assays.

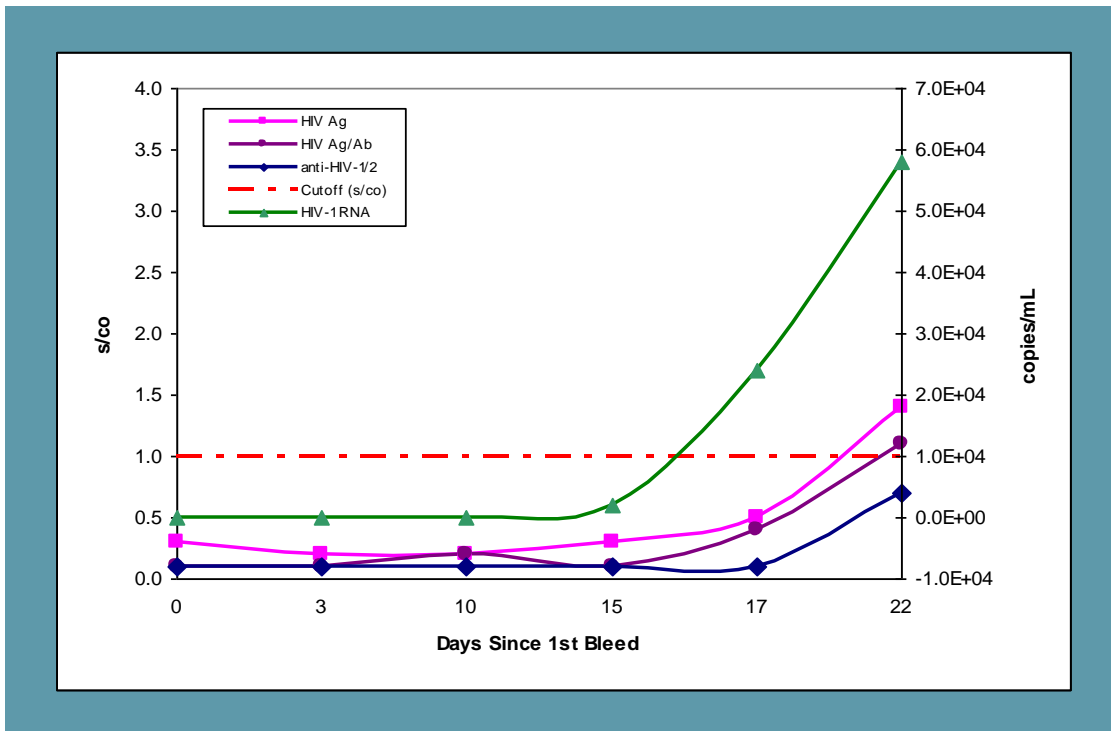
CAUTION: Potentially infectious materials. Follow Universal Precautions. Some panel members were found positive for markers of HIV; all were found negative for HBsAg and anti-HCV.

For Research Use Only.

Not for use in diagnostic procedures.

Data are offered for informational purposes only. SeraCare Life Sciences does not claim test 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.

HIV RNA (copies/mL)

Panel Member	Bleed Date	Days Since 1 st Bleed	Fiebig Stage ¹	Roche Ultra Sensitive HIV-1 RNA	Roche Standard HIV-1 RNA
PRB964-01	27-Jun-06	0	NA	<50	NT
PRB964-02	30-Jun-06	3	NA	<50	NT
PRB964-03	07-Jul-06	10	NA	<50	NT
PRB964-04	12-Jul-06	15	I	NT	2.0 x 10 ³
PRB964-05	14-Jul-06	17	I	NT	2.4 x 10 ⁴
PRB964-06	19-Jul-06	22	II	NT	5.8 x 10 ⁴
Test Date				24-Apr-07	20-Apr-07
Test Site				SC	SC
Kit Part Code				21118560018	21118560018
Kit Lot No.				H04637	H04637
Kit Expiration Date				31-Aug-07	31-Aug-07

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-1 Antigen (s/co)²

Panel Member	Bleed Date	Days Since 1 st Bleed	Coulter ELISA	Perkin Elmer ELISA	Roche Elecsys	Zeptometrix ELISA
PRB964-01	27-Jun-06	0	0.3	0.1	0.3	0.2
PRB964-02	30-Jun-06	3	0.2	0.2	0.3	0.3
PRB964-03	07-Jul-06	10	0.2	0.2	0.3	0.3
PRB964-04	12-Jul-06	15	0.3	0.2	0.3	0.2
PRB964-05	14-Jul-06	17	0.5	0.3	0.4	0.5
PRB964-06	19-Jul-06	22	1.4	0.7	0.6	0.8
Test Date			20-Oct-06	24-May-07	23-May-07	14-May-07
Test Site			SC	SC	RL	SC
Kit Part Code			626391	NEK 050A	NA	801111
Kit Lot No.			2066F514	394387	176936-01	303199
Kit Expiration Date			18-Apr-07	16-Nov-07	31-Aug-07	18-Jan-08

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.

POS = positive; NEG = negative; BLD = below the limit of detection; NA = not available, NT = not tested
RL = Reference Lab; SC = SeraCare

DATA SHEET

HIV Antigen/Antibody (s/co)¹

Panel Member	Bleed Date	Days Since 1 st Bleed	Abbott ARCHITECT Combo	Abbott AxSYM Combo	Abbott PRISM Combo	Abbott Murex Combination	Dade Behring Enzygnost Integral II	Roche Elecsys Combi
PRB964-01	27-Jun-06	0	0.1	0.4	0.1	0.3	0.1	0.3
PRB964-02	30-Jun-06	3	0.1	0.4	0.1	0.3	0.1	0.3
PRB964-03	07-Jul-06	10	0.2	0.4	0.1	0.3	0.1	0.3
PRB964-04	12-Jul-06	15	0.1	0.4	0.1	0.3	0.1	0.3
PRB964-05	14-Jul-06	17	0.4	0.5	0.2	0.4	0.2	0.3
PRB964-06	19-Jul-06	22	1.1	0.9	0.7	1.3	0.4	0.9
Test Date			10-May-07	14-May-07	16-May-07	23-May-07	23-May-07	23-May-07
Test Site			RL	RL	RL	RL	RL	RL
Kit Part Code			4J27-30	2G83-20	7G46-48	GE41	OQTO 11	04860446NA
Kit Lot No.			52051HN00	52433LU00	52387HN00	L000010	36815	178860-01
Kit Expiration Date			02-Jan-08	12-Oct-07	23-Oct-07	30-Nov-07	06-Jun-08	30-Nov-07

HIV Antibody (s/co)¹

Panel Member	Bleed Date	Days Since 1 st Bleed	Abbott AxSYM HIV 1/2 gO	Abbott EIA HIV 1/2	Abbott PRISM HIV O plus HIV 1/2 gO	Abbott Murex HIV 1.2.O HIV 1/2 gO	Siemens Advia Centaur Enhanced HIV 1/2 gO
PRB964-01	27-Jun-06	0	0.5	0.1	0.3	0.3	0.1
PRB964-02	30-Jun-06	3	0.4	0.1	0.2	0.3	0.1
PRB964-03	07-Jul-06	10	0.4	0.1	0.3	0.2	0.1
PRB964-04	12-Jul-06	15	0.4	0.1	0.3	0.2	0.2
PRB964-05	14-Jul-06	17	0.4	0.1	0.3	0.2	<0.05
PRB964-06	19-Jul-06	22	0.8	0.7	0.7	0.5	0.9
Test Date			24-May-07	18-May-07	24-May-07	24-May-07	25-May-07
Test Site			RL	SC	SC	RL	RL
Kit Part Code			3D41-20	3A77	7G46-48	GE94	01463908
Kit Lot No.			50220LU00	50178M200	52543HN00	L000710	96445025
Kit Expiration Date			17-Oct-07	10-Jul-07	8-Jan-08	28-Feb-08	19-Mar-08

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Anti-HIV Confirmatory and Rapid Tests

Panel Member	Bleed Dates	Days Since 1 st Bleed	Maxim ¹ Western Blot HIV-1 Band Pattern	Maxim ¹ Western Blot HIV-1 Result	Orasure Rapid HIV-1
PRB964-01	27 Jun 06	0	No Bands	NEG	NEG
PRB964-02	30 Jun 06	3	No Bands	NEG	NEG
PRB964-03	07 Jul 06	10	No Bands	NEG	NEG
PRB964-04	12 Jul 06	15	No Bands	NEG	NEG
PRB964-05	14 Jul 06	17	No Bands	NEG	NEG
PRB964-06	19 Jul 06	22	No Bands	NEG	NEG
Test Date				31-May-07	18-May-07
Test Site				SC	SC
Kit Part Code				98002	6341
Kit Lot No.				F7242-027	6601644
Kit Expiration Date				30-Aug-07	30-Sep-07

1. Formerly Calypte – Cambridge Biotech Western Blot

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For assistance, contact SeraCare Technical Support at 508.244.6400

The Data Sheet for this panel in PDF form can be found at www.seracarepanels.com

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