

AccuVert™ HIV-1 Seroconversion Panel

PRB962 (0600-0244) / Batch #10446673

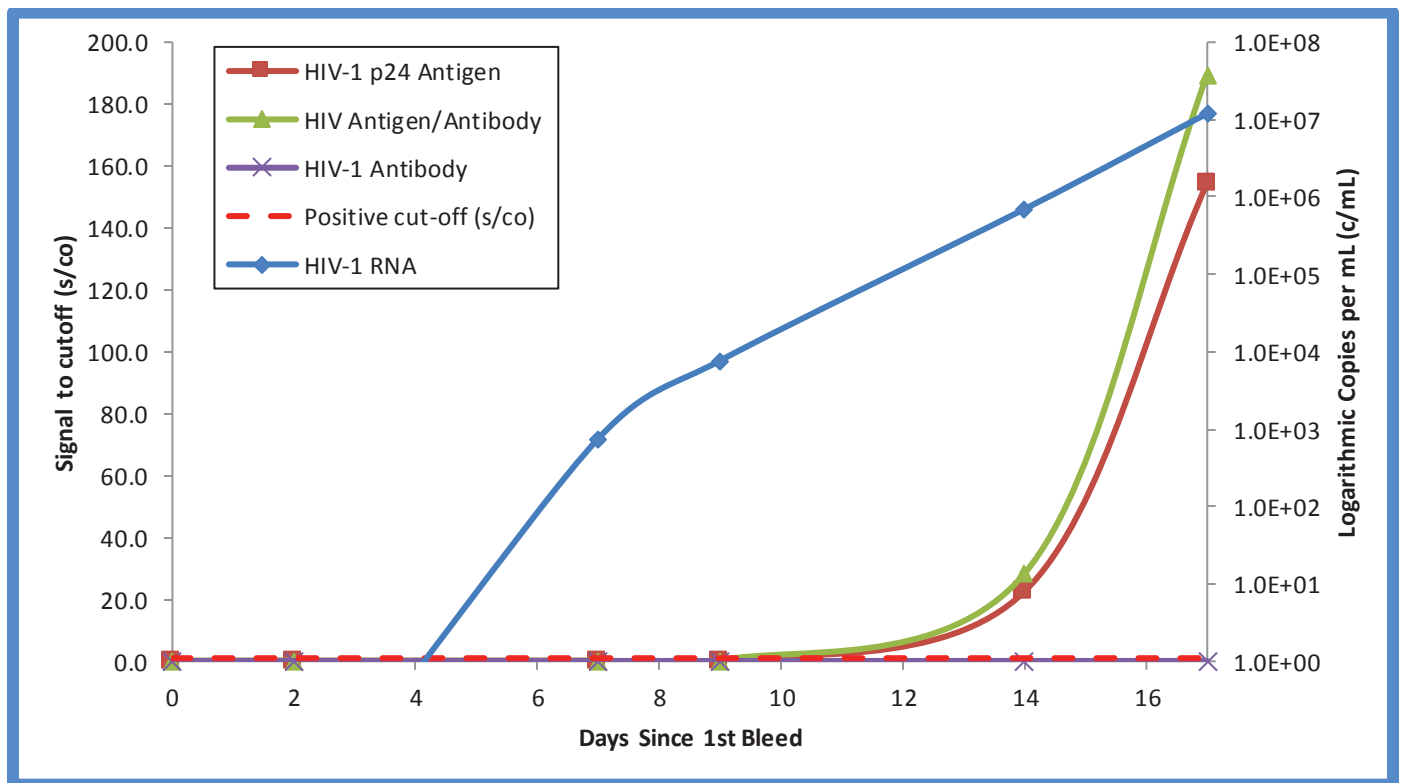
OVERVIEW

AccuVert™ HIV-1 Seroconversion Panel PRB962 (0600-0244) / Batch #10446673 is a 6-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.0mL). Panel members represent serial bleeds collected from a single individual over 17 days in 2000 during the development of an HIV infection and subsequent response.

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.

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.

Evolution of HIV Markers in Early Infection



This graph demonstrates the evolution of early HIV infection amongst panel members with the following assays: Roche Standard HIV-1 RNA, Roche Elecsys HIV-1 p24 Antigen, Abbott ARCHITECT HIV Antigen/Antibody, and Abbott EIA HIV-1 Antibody.

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Panel Member Information

Panel Member	SeraCare Batch#	Bleed Date	Days Since 1 st Bleed	Fiebig Stage ¹
01	9118512	21-Mar-2000	0	NA
02	9118511	23-Mar-2000	2	NA
03	9118510	28-Mar-2000	7	I
04	9118509	30-Mar-2000	9	I
05	9118507	04-Apr-2000	14	II
06	9118508	07-Apr-2000	17	II

¹Fiebig stages are categories that define phases of early HIV infection. See Fiebig E.W., 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 H.Y., et al. Modeling sequence evolution in acute HIV-1 infection. J Theor. Biol. 2009, 261:341-360.

Panel Member	Roche Ultra Sensitive HIV-1 RNA (c/mL) ¹	Roche Standard HIV-1 RNA (c/mL) ¹	Perkin Elmer ELISA HIV-1 Ag (s/co) ^{2,3}	Roche Elecsys HIV-1 Ag (s/co) ^{2,3}	Zeptometrix ELISA HIV-1 Ag (s/co) ^{2,3}
01	<50	NT	0.3	0.1	0.1
02	<50	NT	0.2	0.2	0.2
03	NT	7.6 x 10²	0.2	0.2	0.2
04	NT	7.7 x 10³	0.3	0.3	0.3
05	NT	7.0 x 10⁵	29.6	22.6	9.6
06	NT	1.2 x 10⁷	>49.2	154.6	23.7
Test Date	03-May-2007	20-Apr-2007	24-May-2007	23-May-2007	22-Mar-2007
Test Site	SC	SC	SC	RL	SC
Kit Part Code	21118560018	21118560018	NEK 050A	NA	801111
Kit Lot No.	H14002	H04637	394387	176936-01	303199
Kit Exp. Date	29-Feb-2008	31-Aug-2007	16-Nov-2007	31-Aug-2007	18-Jan-2008

¹Results are reported as copies per mL (c/mL); reactive results are noted in bold red.

²Results are reported as a signal to cutoff ratio (s/co); positive/reactive results are noted in bold red.

³Results are reported as the mean result of duplicate testing.

SC = SeraCare; RL = Reference Lab

NT= Not Tested, NA = Not Available

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Panel Member	Abbott ARCHITECT Combo HIV Ag/Ab (s/co) ^{1,2}	Abbott PRISM Combo HIV Ag/Ab (s/co) ^{1,2}	Dade Behring Enzygnost Integral II HIV Ag/Ab (s/co) ^{1,2}	Roche Elecsys Combi HIV Ag/Ab (s/co) ^{1,2}
01	0.2	0.1	0.1	0.2
02	0.2	0.1	0.1	0.3
03	0.2	0.1	0.1	0.3
04	0.3	0.2	0.2	0.3
05	28.4	11.3	11.9	3.7
06	189.6	70.8	11.7	22.8
Test Date	10-May-2007	16-May-2007	23-May-2007	23-May-2007
Test Site	RL	RL	RL	RL
Kit Part Code	4J27-30	7G46-48	OQTO 11	04860446
Kit Lot No.	52051HN00	52387HN00	36815	178860-01
Kit Exp. Date	02-Jan-2008	23-Oct-2007	06-Jun-2008	30-Nov-2007

¹Results are reported as a signal to cutoff ratio (s/co); positive/reactive results are noted in bold red.

²Results are reported as the mean result of duplicate testing.

RL = Reference Lab

Panel Member	Abbott EIA HIV 1/2 (s/co) ^{1,2}	Abbott PRISM HIV O plus HIV 1/2 gO (s/co) ^{1,2}	Siemens HIV 1/O/2 Enhanced Advia Centaur (s/co) ^{1,2}
01	0.1	0.3	0.2
02	0.1	0.3	0.1
03	0.1	0.3	0.1
04	0.1	0.3	0.1
05	0.1	0.3	0.1
06	0.1	0.3	0.2
Test Date	18-May-2007	24-May-2007	25-May-2007
Test Site	SC	RL	RL
Kit Part Code	3A77	7G46-48	01463908
Kit Lot No.	50178M200	52543HN00	96445025
Kit Exp. Date	10-Jul-2007	8-Jan-2008	19-Mar-2008

¹Results are reported as a signal to cutoff ratio (s/co); positive/reactive results are noted in bold red.

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Anti-HIV Confirmatory and Rapid Tests

Panel Member	Maxim ¹ Western Blot HIV-1 Band Pattern	Maxim ¹ Western Blot HIV-1 Result	OraSure Rapid HIV-1
01	No Bands	Neg	Neg
02	No Bands	Neg	Neg
03	No Bands	Neg	Neg
04	No Bands	Neg	Neg
05	No Bands	Neg	Neg
06	No Bands	Neg	Neg
Test Date	11-Jun-2007		18-May-2007
Test Site	SC		SC
Kit Part Code	98002		6341
Kit Lot No.	F7242-027		6601644
Kit Exp. Date	30-Aug-2007		30-Sep-2007

¹Formerly Calypte – Cambridge Biotech Western Blot
NEG = Negative
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 info@seracare.com or by phone at 508.244.6400.