

AccuVert™ HIV-1 Seroconversion Panel

0600-0246 (PRB964) / Batch #10521209

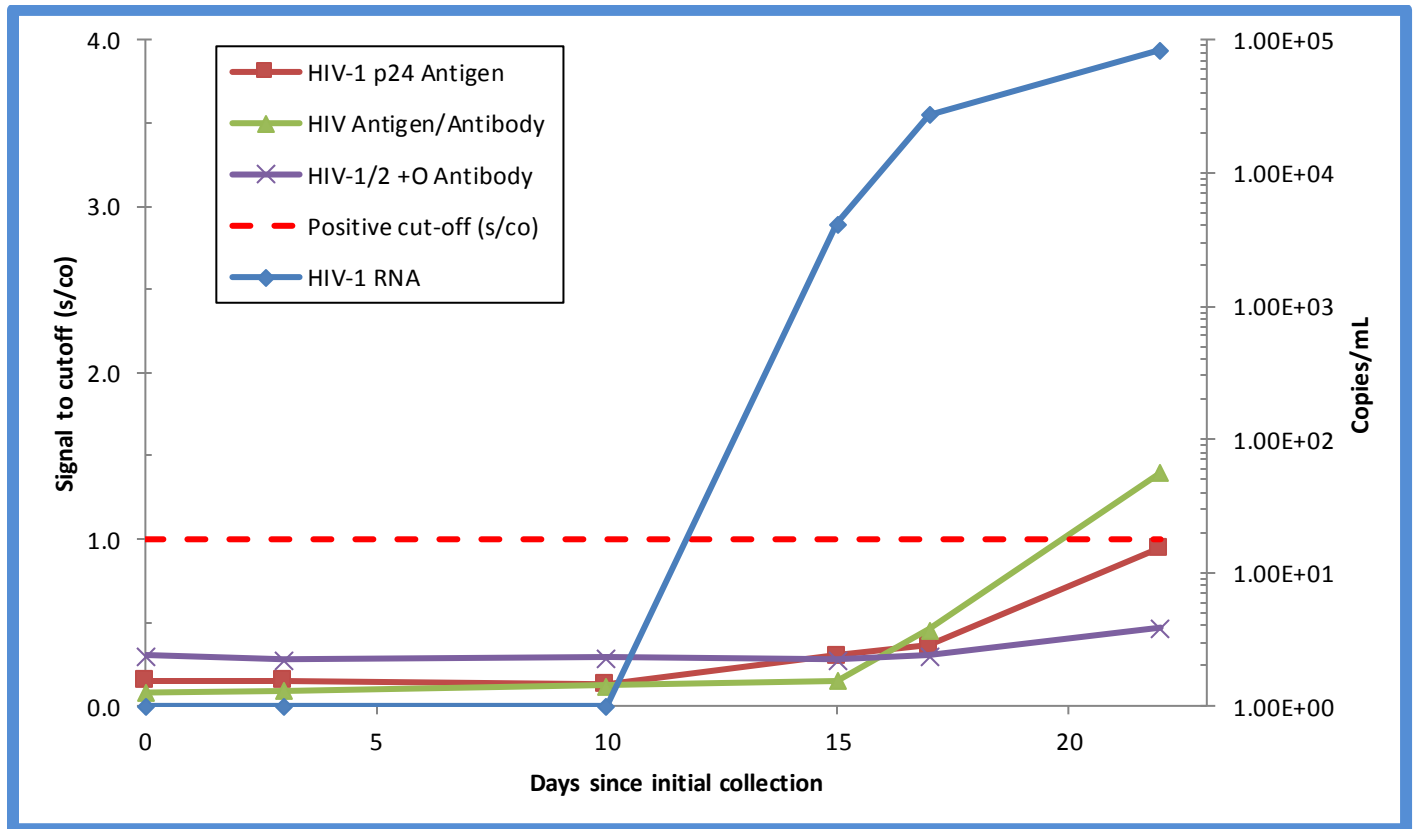
OVERVIEW

AccuVert™ HIV-1 Seroconversion Panel 0600-0246 (PRB964) / Batch #10521209 is a 6-member panel consisting of undiluted, naturally occurring plasma samples (1 vial per member, 1.0 mL). Panel members represent serial collections received from a single individual over 22 days in 2006 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 evolution of early HIV infection amongst panel members from assays: Roche COBAS® TaqMan® HIV-1 RNA, Perkin Elmer HIV-1 p24 Antigen ELISA, Abbott ARCHITECT® HIV Antigen/Antibody, and Abbott PRISM® HIV-1/HIV-2 Plus O Antibody.

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Panel Member Information

Panel Member	SeraCare Batch #	Collection Date	Days Since 1 st Collection	Fiebig Stage ¹
01	BM206289	27-Jun-2006	0	NA
02	BM206290	30-Jun-2006	3	NA
03	BM206291	07-Jul-2006	10	NA
04	BM206292	12-Jul-2006	15	I
05	BM206293	14-Jul-2006	17	I
06	BM206294	19-Jul-2006	22	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.

HIV RNA and Antibody

Panel Member	Roche COBAS® AmpliPrep / COBAS® TaqMan® HIV-1 Test (copies/mL) ^{1,2}	Abbott PRISM® HIV O Plus (s/co) ^{1,3}	Bio-Rad Genetic Systems™ HIV-1/HIV-2 Plus O EIA (s/co) ^{1,3}
01	TND	0.30	0.22
02	TND	0.28	0.19
03	TND	0.29	0.19
04	4134	0.28	0.18
05	27306	0.30	0.19
06	83709	0.47	0.17
Test Date	24-Nov-2020	13-Nov-2020	13-Nov-2020
Test Site	RL	RL	SC
Kit Part Code	NA	NA	32588
Kit Lot No.	G08757	16112M700	129QBB-05
Kit Exp. Date	30-Sep-2021	12-Feb-2021	31-Jan-2021

¹Results are reported as copies/mL or signal to cut-off ratio (s/co); positive/reactive results are noted in bold red.

²Results are reported as result of single sample testing.

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

TND = Target Not Detected, SC = SeraCare, RL = Reference Lab, NA = Not Available

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HIV Antigen/Antibody

Panel Member	Abbott ARCHITECT® HIV Ag/Ab Combo (s/co) ^{1,2}	Roche COBAS® Elecsys® HIV combi PT (COI) ^{1,2}	PerkinElmer® HIV-1 p24 ELISA (s/co) ^{1,2}
01	0.08	0.29	0.15
02	0.09	0.28	0.15
03	0.12	0.25	0.13
04	0.15	0.26	0.21
05	0.46	0.40	0.36
06	1.40	1.33	0.95
Test Date	19-Nov-2020	20-Nov-2020	16-Nov-2020
Test Site	SC	RL	SC
Kit Part Code	2P36	NA	NEK 050A
Kit Lot No.	21086BE00	NA	990-20321
Kit Exp. Date	12-Jun-2021	NA	01-Jul-2021

¹Results are reported as signal to cut-off ratio (s/co) or cut-off index (COI); positive/reactive results are noted in bold red.

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

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Anti-HIV Confirmatory and Rapid Tests

Panel Member	Alere Determine® Lateral Flow HIV-1 Antibody Rapid Test ¹	Alere Determine® Lateral Flow HIV-1 p-24 Antigen Rapid Test ¹	Genotyping HIV-1 Genotype ¹	OraSure OraQuick® Advance® RapidAntibody Test HIV-1/2 ¹
01	Neg	Neg	UTG	Neg
02	Neg	Neg	UTG	Neg
03	Neg	Neg	UTG	Neg
04	Neg	Neg	B	Neg
05	Neg	Neg	B	Neg
06	Neg	Neg	B	Neg
Test Date	19-Nov-2020		03-Dec-2020, 10-Dec-2020	18-Nov-2020
Test Site	SC		RL	SC
Kit Part Code	7D2648		LDT	1001.0079
Kit Lot No.	129586		NA	0006678183
Kit Exp. Date	10-Dec-2021		NA	31-Oct-2022

¹ Results are reported as result of single sample testing.
 UTG = Unable to Genotype, B = Genotype B, LDT = Lab Developed Test
 SC = SeraCare, RL = Reference Lab, NA = Not Available

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.