

AccuVert™ HIV-1 Seroconversion Panel

0600-0249 (PRB967) / Batch #10521216

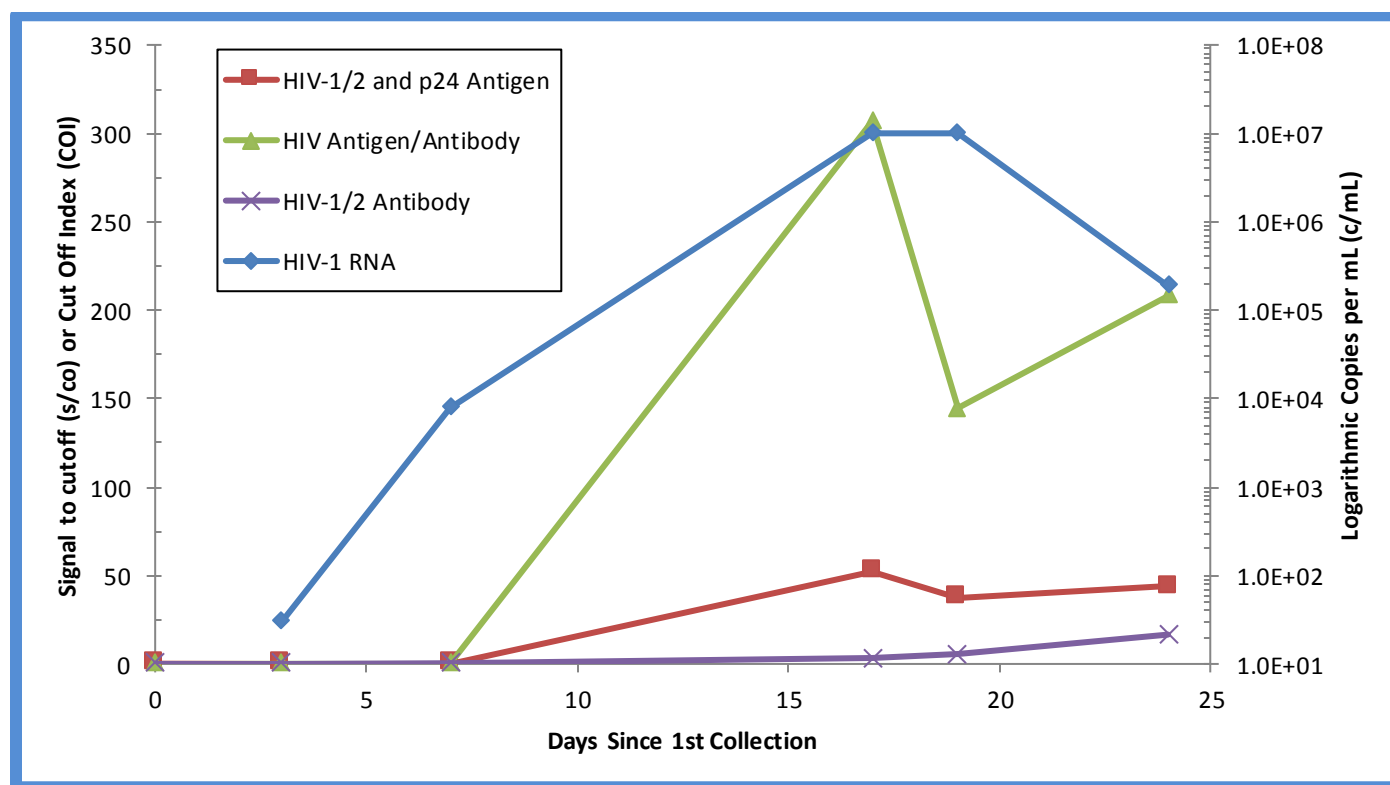
OVERVIEW

AccuVert™ HIV-1 Seroconversion Panel 0600-0249 (PRB967) / Batch #10521216 is a 6-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.0 mL). Panel members represent serial collections received from a single individual over 24 days in 2001 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, Roche Elecsys® HIV-1/2 HIV combi PT, Abbott ARCHITECT® HIV Antigen/Antibody, and Abbott PRISM® EIA HIV-1/2 Antibody.

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Panel Member Information

Panel Member	SeraCare Batch #	Collection Date	Days Since 1 st Collection	Fiebig Stage ¹
01	PRB967-01	20-Jul-01	0	NA
02	PRB967-02	23-Jul-01	3	I
03	PRB967-03	27-Jul-01	7	I
04	PRB967-04	06-Aug-01	17	III
05	PRB967-05	08-Aug-01	19	III
06	PRB967-06	13-Aug-01	24	IV

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 RT-PCR (copies/mL) ^{1,2}	Abbott PRISM® HIV Group O plus HIV 1/2 Antibody (s/co) ^{1,3}	Bio-Rad Genetic Systems™ HIV 1/2.C+O EIA (s/co) ^{1,3}
01	TND	0.45	0.09
02	30	0.44	0.09
03	7930	0.41	0.10
04	>10000000⁴	3.07	>14.71⁴
05	>10000000⁴	5.59	>14.71⁴
06	189371	16.59	>14.71⁴
Test Date	23-Nov-2020	27-Jan-2021	06-Nov-2020
Test Site	RL	RL	SC
Kit Part Code	NA	NA	32588
Kit Lot No.	G08757	16115M700	129QBB-05
Kit Exp. Date	30-Sep-2021	29-Apr-2021	31-Jan-2021

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

²Results are reported as the result of single sample testing.

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

⁴Result is off scale.

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

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HIV Antigen/Antibody

Panel Member	Abbott ARCHITECT® i2000 HIV Ag/Ab (s/co) ^{1,2}	Roche COBAS® Elecsys® HIV combi PT (COI) ^{1,2}	PerkinElmer® p24 ELISA HIV-1 Ag (s/co) ^{1,2}
01	0.10	0.15	0.15
02	0.08	0.18	0.16
03	0.48	0.27	0.57
04	306.67	52.12	>68.97³
05	144.70	37.73	>68.97³
06	208.33	43.95	3.40
Test Date	11-Nov-2020	13-Nov-2020	16-Nov-2020
Test Site	SC	RL	SC
Kit Part Code	2P36	NA	NEK 050A
Kit Lot No.	19020BE00	NA	990-20321
Kit Exp. Date	25-Apr-2021	NA	07-Jul-2021

¹Results are reported as signal to cutoff 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 testing.

³Result is off scale.

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Anti-HIV Confirmatory and Rapid Tests

Panel Member	Alere Determine™ Lateral Flow HIV-1 Antibody Rapid Test ^{1,2}	Alere Determine™ Lateral Flow HIV-1 p-24 Antigen Rapid Test ^{1,2}	Quest HIV-1 Genotype ²	OraSure OraQuick® Advanced Rapid HIV-1 ^{1,2}
01	Neg	Neg	UTG	Neg
02	Neg	Neg	UTG	Neg
03	Neg	Neg	B	Neg
04	Neg	Pos	B	Neg
05	Pos³	Pos	B	Pos³
06	Pos	Neg	B	Pos
Test Date	05-Nov-2020		17-Nov-2020	18-Nov-2020
Test Site	SC		RL	SC
Kit Part Code	7D2648		NA	1001.0079
Kit Lot No.	129586		NA	0006678183
Kit Exp. Date	10-Dec-2021		NA	31-Oct-2022

¹Results are reported as Positive (Pos) or Negative (Neg); positive/reactive results are noted in bold red.

²Results are reported as result of single sample testing.

³Result is reported as a weak Positive.

UTG = Unable to Genotype, B = Genotype B, SC = Sera Care, RL = Reference Lab, NA = Not Available