

# AccuVert™ HIV-1 Seroconversion Panel

0600-0251 (PRB969) / Batch #10521210

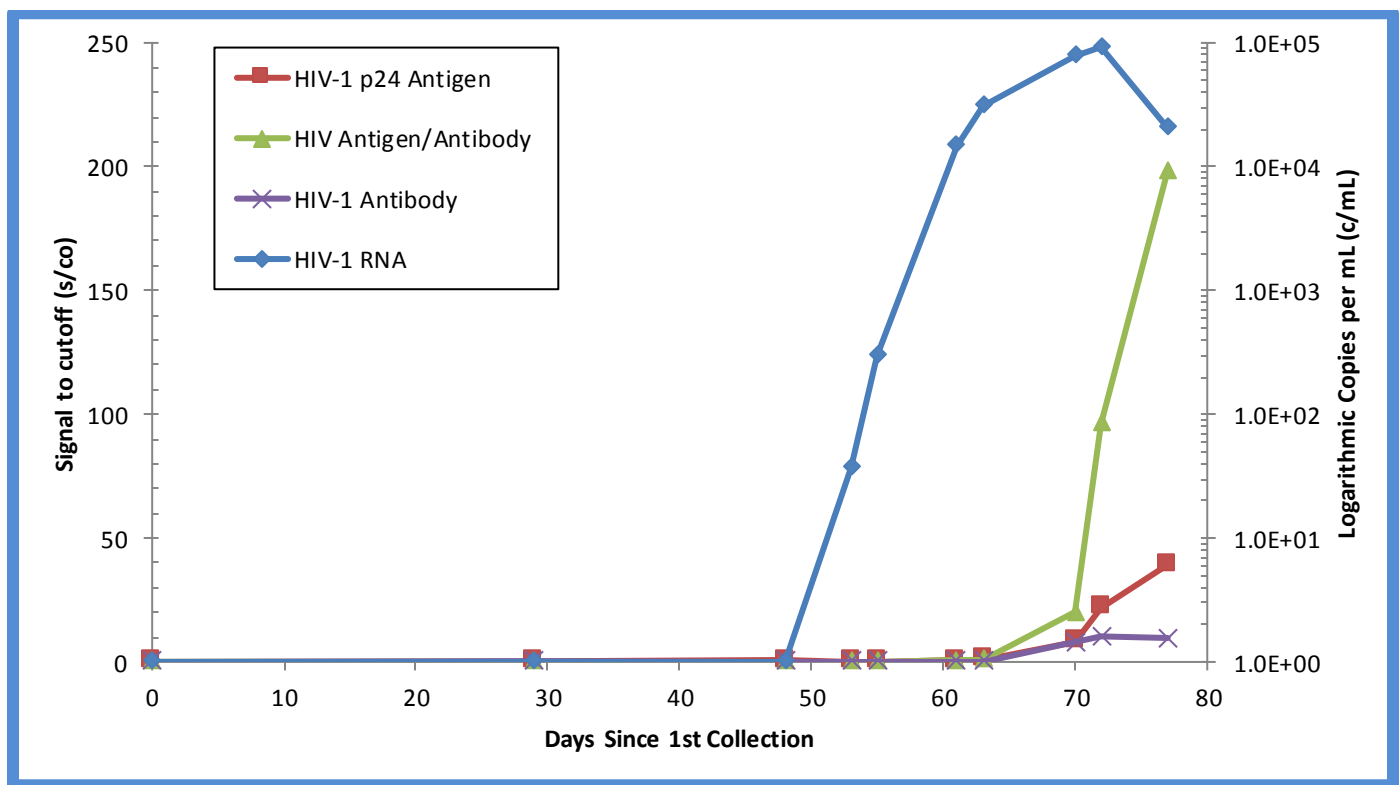
## OVERVIEW

AccuVert™ HIV-1 Seroconversion Panel 0600-0251 (PRB969) / Batch #10521210 is a 10-member panel collected of undiluted, naturally occurring plasma samples (1 vial per member, 1.0mL). Panel members represent serial collections received from a single individual over 77 days in 2008 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 p24 Antigen, Abbott ARCHITECT® HIV Antigen/Antibody, and Abbott PRISM® EIA HIV-1 Antibody.

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## Panel Member Information

Panel Member	SeraCare Batch #	Collection Date	Days Since 1 <sup>st</sup> Collection	Fiebig Stage <sup>1</sup>
01	9231253	24-Apr-2008	0	NA
02	9231400	23-May-2008	29	NA
03	9231254	11-Jun-2008	48	NA
04	9231255	16-Jun-2008	53	I
05	9231256	18-Jun-2008	55	I
06	9231257	24-Jun-2008	61	I
07	9231401	26-Jun-2008	63	II
08	9231258	03-Jul-2008	70	IV
09	9231259	05-Jul-2008	72	IV
10	9231260	10-Jul-2008	77	IV

<sup>1</sup>Fiebig 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) <sup>1,3</sup>	Abbott PRISM® HIV Group O plus HIV 1/2 Antibody(s/co) <sup>1,2</sup>	Bio-Rad Genetic Systems™ HIV 1/2+O EIA (s/co) <sup>1,2</sup>
01	TND	0.37	0.15
02	TND	0.30	0.11
03	TND	0.36	0.15
04	<b>37</b>	0.37	0.08
05	<b>301</b>	0.38	0.07
06	<b>14827</b>	0.35	0.07
07	<b>31017</b>	0.36	0.10
08	<b>79388</b>	<b>7.67</b>	<b>&gt;14.7<sup>4</sup></b>
09	<b>92449</b>	<b>10.32</b>	<b>&gt;14.7<sup>4</sup></b>
10	<b>20899</b>	<b>9.51</b>	<b>&gt;14.7<sup>4</sup></b>
Test Date	04-Nov-2020	27-Jan-2021	06-Nov-2020
Test Site	RL	RL	SC
Kit Part	NA	NA	32588
Kit Lot No.	G05799	16115M700	129QBB-05
Kit Exp.	31-Aug-2021	29-Apr-2021	31-Jan-2021

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

<sup>2</sup>Results are reported as the mean result of duplicate sample testing.

<sup>3</sup>Results are reported as the result of single sample testing.

<sup>4</sup>Results are off scale.

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

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## HIV Antigen/Antibody

Panel Member	Abbott ARCHITECT® i2000 HIV Ag/Ab (s/co) <sup>1,2</sup>	Roche COBAS® Elecsys® HIV combi PT (COI) <sup>1,2</sup>	PerkinElmer® p24 ELISA HIV-1 Ag (s/co) <sup>1,2</sup>
01	0.08	0.29	0.21
02	0.11	0.25	0.16
03	0.09	0.49	0.13
04	0.14	0.31	0.13
05	0.12	0.32	0.15
06	0.48	0.54	0.56
07	0.82	0.79	0.97
08	<b>20.13</b>	<b>8.42</b>	<b>3.01</b>
09	<b>96.56</b>	<b>21.93</b>	<b>2.15</b>
10	<b>198.41</b>	<b>39.24</b>	0.25
Test Date	19-Nov-2020	13-Nov-2020	03-Nov-2020
Test Site	SC	RL	SC
Kit Part	2P36	NA	NEK050A
Kit Lot No.	21086BE00	NA	990-20321
Kit Exp.	12-Jun-2021	NA	01-Jul-2021

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

<sup>2</sup>Results are reported as the mean result of duplicate sample testing.

SC = SeraCare, RL = Reference Lab

NA = Not available

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## Anti-HIV Confirmatory and Rapid Tests

Panel Member	Alere Determine™ Lateral Flow HIV-1 Antibody Rapid Test <sup>1,2</sup>	Alere Determine™ Lateral Flow HIV-1 p-24 Antigen Rapid Test <sup>1,2</sup>	Quest HIV-1 Genotype <sup>2</sup>	OraSure OraQuick® Advanced Rapid HIV-1 <sup>1,2</sup>
01	Neg	Neg	UTG <sup>3</sup>	Neg
02	Neg	Neg	UTG <sup>3</sup>	Neg
03	Neg	Neg	UTG <sup>3</sup>	Neg
04	Neg	Neg	B	Neg
05	Neg	Neg	B	Neg
06	Neg	Neg	B	Neg
07	Neg	Neg	B	Neg
08	<b>Pos</b>	Neg	B	Neg
09	<b>Pos</b>	Neg	B	<b>Pos</b>
10	<b>Pos</b>	Neg	B	<b>Pos</b>
Test Date	05-Nov-2020	05-Nov-2020	24-Nov-2020	06-Nov-2020
Test Site	SC	SC	RL	SC
Kit Part	7D2648	7D2648	NA	1001.0079
Kit Lot No.	129586	129586	NA	0006677826
Kit Exp.	10-Dec-2021	10-Dec-2021	NA	30-Sep-2022

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

<sup>2</sup>Results are reported as the result of single sample testing.

<sup>3</sup>UTG = Unable to Genotype (code for genotype testing from test provider)

SC = SeraCare, RL = Reference Lab

NA = Not available

The package insert for this panel can be found at [www.seracare.com](http://www.seracare.com).

A printed copy of the package insert or data sheet may be requested by email at [info@seracare.com](mailto:info@seracare.com) or by phone at 508.244.6400.