

AccuVert™ HIV-1 Seroconversion Panel

0600-0297 / Batch #10691969

OVERVIEW

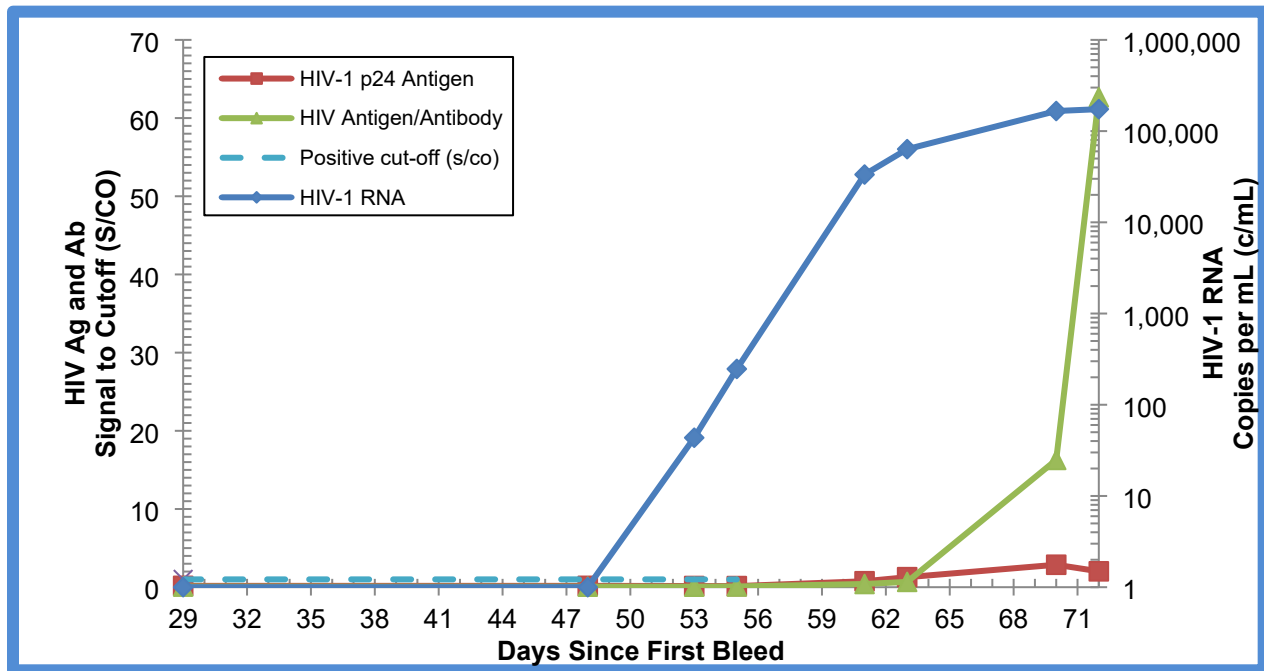
AccuVert™ HIV-1 Seroconversion Panel 0600-0297 / Batch #10691969 is a modified dispense of previous AccuVert HIV-1 Seroconversion Panel 0600-0251 (with two members from that panel unavailable). This is an 8-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.0 mL per vial). Panel members represent serial bleeds collected from a single individual over the course of 77 days in 2008 during the development of an HIV infection and subsequent response. Each sample represents a single collection event. No preservatives were added.

Test results from commercially-available HIV assays are included for characterization of the panel members. This panel of human plasma samples demonstrates a change in expression from negative to positive for some HIV-1 analytes during the development and progression of an HIV infection.

For Research Use Only. Not for use in diagnostic procedures. Data are offered for informational purposes. LGC SeraCare Life Sciences does not claim that others can duplicate test results exactly.

CAUTION: Potentially infectious materials. Follow Universal Precautions. Some panel members were found positive for HIV-1; all were found negative for anti-HCV and HBsAg. This does not ensure the absence of these or other human pathogens.

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This graph demonstrates the evolution of early HIV infection amongst panel members from the Perkin Elmer (HIV-1 p24 Antigen), Abbott Alinity s (HIV Antigen/Antibody), and Roche cobas® (HIV-1 RNA) test methods.

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Panel Member Information

0600-0297 Panel Member	0600-0251 Panel Member*	SeraCare Batch #	Bleed Date	Days Since 1 st Bleed	Fiebig Stage ¹
	01	9231253	24-Apr-2008	0	NA
01	02	9231400	23-May-2008	29	NA
02	03	9231254	11-Jun-2008	48	NA
03	04	9231255	16-Jun-2008	53	I
04	05	9231256	18-Jun-2008	55	I
05	06	9231257	24-Jun-2008	61	I
06	07	9231401	26-Jun-2008	63	II
07	08	9231258	03-Jul-2008	70	IV
08	09	9231259	05-Jul-2008	72	IV
	10	9231260	10-Jul-2008	77	IV

* Members in grey are no longer available. Data provided for informational purposes only.

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 HIV Antigen Assays¹

Panel Member	Roche cobas® 6800/8800 HIV-1 RNA (copies/mL)	Abbott Alinity m HIV-1 RNA (copies/mL)	Perkin Elmer HIV-1 p24 ELISA (S/CO)
01	TND	TND	0.17
02	TND	TND	0.17
03	4.35 x 10¹	<2.00 X 10¹, 2.30 x 10¹*	0.15
04	2.47 x 10²	9.35 x 10¹	0.14
05	3.34 x 10⁴	1.28 x 10⁴	0.76
06	6.34 x 10⁴	2.13 x 10⁴	1.28
07	1.66 x 10⁵	5.37 x 10⁴	2.87
08	1.74 x 10⁵	5.35 x 10⁴	2.03
Test Date	21-Feb-2024	19-Feb-2024	20-Feb-2024
Test Site	RL	RL	LGC
Kit Part Code	NA	NA	NEK050A
Kit Lot No.	NA	386510	990-23527
Kit Exp. Date	NA	08-Mar-2025	01-Oct-2024

¹Results are reported as the mean result of duplicate testing; positive/reactive results are noted in bold red.

*Interpretation variability; individual replicates reported.

RL = Reference Lab; LGC = LGC Clinical Diagnostics; NA = Not Available

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HIV Antigen/Antibody Assays¹

Panel Member	Abbott ARCHITECT HIV Ag/Ab Combo (S/CO)	Abbott Alinity s HIV Ag/Ab Combo (S/CO)	Roche cobas® Elecsys HIV combi PT (COI)	Bio-Rad GS HIV-1/HIV-2 PLUS O EIA (S/CO)
01	0.19	0.08	0.22	0.06
02	0.12	0.07	0.20	0.10
03	0.16	0.07	0.22	0.09
04	0.13	0.09	0.23	0.06
05	0.52	0.41	0.42	0.05
06	0.78, 1.02*	0.68	0.71	0.07
07	18.23	16.28	4.73	>13.89
08	63.27	62.66	10.67	>14.18
Test Date	16-Feb-2024	19-Feb-2024	20-Feb-2024	21-Feb-2024, 27-Feb-2024
Test Site	LGC	RL	RL	LGC
Kit Part Code	2P36	NA	NA	32588
Kit Lot No.	57484BE00	54681BE00	NA	272UBB-05
Kit Exp. Date	03-Jun-2024	24-Jul-2024	NA	31-Mar-2024

¹Results are reported as the mean result of duplicate testing; positive/reactive results are noted in bold red.

*Interpretation variability; individual replicates reported.

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HV-1 Antibody & HIV Rapid Assays

Alere Determine™
HIV-1/2 Ag/Ab Combo²

Panel Member	Avioq HIV-1 Microelisa (S/CO) ¹	Alere Determine™ HIV-1/2 Ag/Ab Combo ²	
		HIV Ag	HIV Ab
01	0.25	NEG	NEG
02	0.26	NEG	NEG
03	0.28	NEG	NEG
04	0.27	NEG	NEG
05	0.26	NEG	NEG
06	0.26	NEG	NEG
07	2.02	NEG	POS
08	3.32	NEG	POS
Test Date	16-Feb-2024	14-Mar-2024	
Test Site	LGC	LGC	
Kit Part Code	100384	7D2648	
Kit Lot No.	23106H	845391	
Kit Exp. Date	02-Dec-2024	28-Jul-2025	

¹Results are reported as the mean result of duplicate testing; positive/reactive results are noted in bold red.

²Results are reported as singlicate testing; positive/reactive results are noted in bold red.

LGC = LGC Clinical Diagnostics; POS = Positive; NEG = Negative

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HIV Confirmatory Assay¹

Bio-Rad Genetic Systems™ HIV-1 Western Blot

Panel Member	Band Pattern	HIV-1 Interpretation
01	No Bands	NEG
02	No Bands	NEG
03	No Bands	NEG
04	No Bands	NEG
05	No Bands	NEG
06	No Bands	NEG
07	24, 55f	IND
08	18f, 24, 55, 160f	IND
Test Date	29-Feb-2024	
Test Site	LGC	
Kit Part Code	32508	
Kit Lot No.	64593016	
Kit Exp. Date	01-Aug-2024	

¹Results are reported as singlicate testing.
f = faint; LGC = LGC Clinical Diagnostics; NEG = Negative; IND = Indeterminate

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 CDx-Info@LGCGroup.com or by phone at 508.244.6400.