

AccuVert™ HIV-1 Seroconversion Panel

0600-0248 / Batch #10632339

OVERVIEW

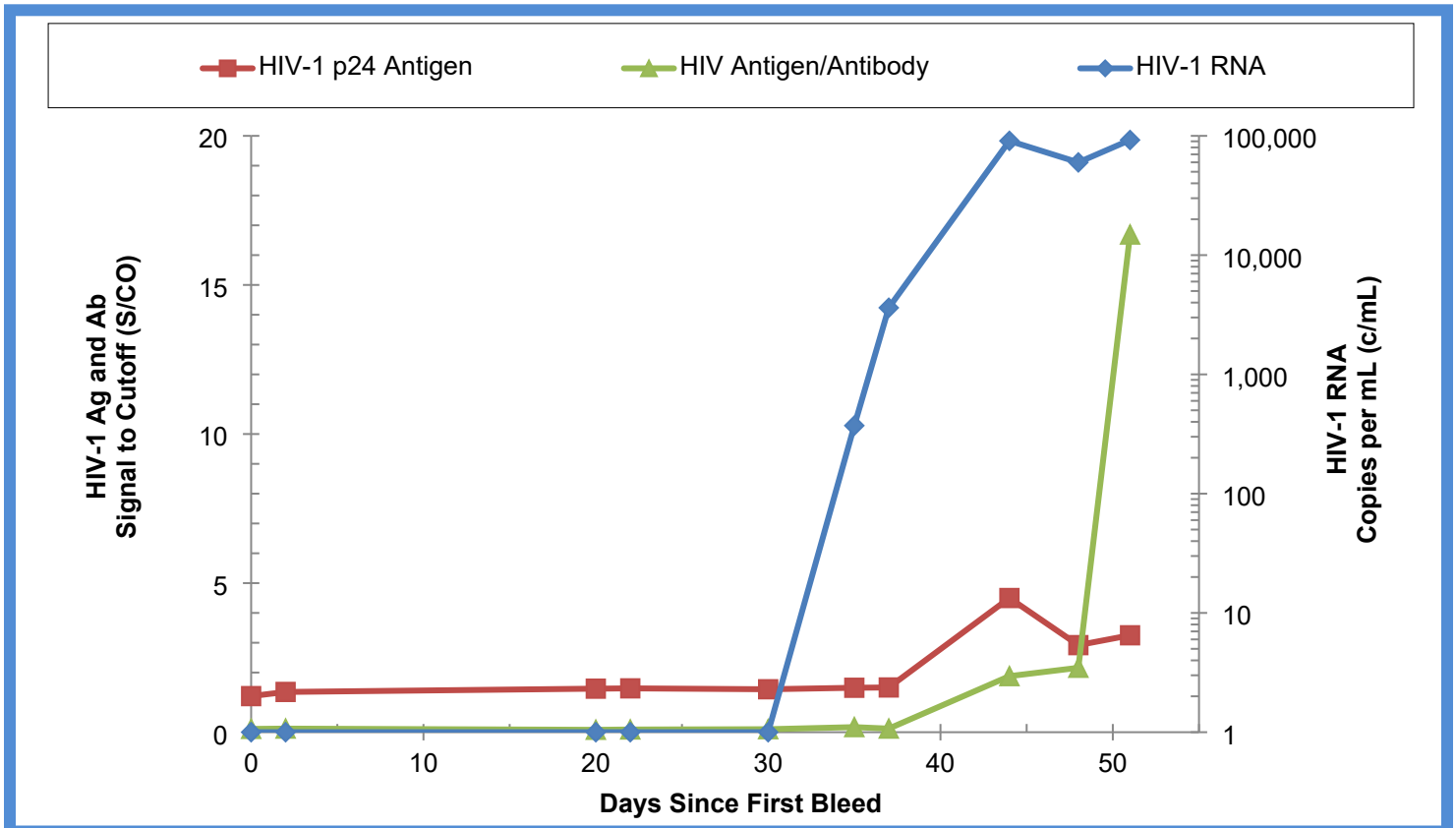
AccuVert™ HIV-1 Seroconversion Panel 0600-0248 / Batch #10632339 is a 10-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.0 mL per vial) collected from an HIV-1 donor. Panel members represent serial bleeds collected from a single donor over the course of 51 days during 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 many 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 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.

AccuVert™ HIV-1 Seroconversion Panel



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

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Panel Member	SeraCare Batch Number	Bleed Date	Days Since 1 st Bleed
01	BM217089	04-Oct-2006	0
02	BM217090	06-Oct-2006	2
03	BM217091	24-Oct-2006	20
04	BM217092	26-Oct-2006	22
05	BM217093	03-Nov-2006	30
06	BM217094	08-Nov-2006	35
07	BM217095	10-Nov-2006	37
08	BM217096	17-Nov-2006	44
09	BM217097	21-Nov-2006	48
10	BM217098	24-Nov-2006	51

HIV RNA and HIV Antigen Assays

Panel Member	Roche COBAS® AmpliPrep/COBAS® TaqMan HIV-1 Test v2.0 (copies/mL) ¹	PerkinElmer HIV-1 p24 ELISA (S/CO) ¹
	01	TND
02	TND	1.35
03	TND	1.46
04	TND	1.47
05	TND	1.44
06	3.72 x 10²	1.49
07	3.62 x 10³	1.50
08	9.08 x 10⁴	4.50
09	5.99 x 10⁴	2.92
10	9.23 x 10⁴	3.25
Test Date	17-Aug-2022	04-Aug-2022
Test Site	RL	SC
Kit Part Code	NA	NEK050A
Kit Lot No.	H30070	990-22092
Kit Exp. Date	31-May-2023	01-Feb-2023

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

SC = SeraCare; RL = Reference Lab; NA = Not Available

TND = Target Not Detected

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HIV Antigen/Antibody Assays

Panel Member	Abbott ARCHITECT HIV Ag/Ab Combo (S/CO) ¹	Abbott Alinity s HIV Ag/Ab Combo (S/CO) ²	Roche cobas® Elecsys HIV combi PT (COI) ¹	Ortho VITROS HIV combo (S/CO) ¹
01	0.11	0.07	0.22	0.27
02	0.12	0.07	0.19	0.19
03	0.08	0.07	0.21	0.16
04	0.09	0.08	0.20	0.20
05	0.10	0.07	0.22	0.21
06	0.17	0.08	0.20	0.16
07	0.12	0.11	0.25	0.18
08	1.88	1.96	4.02	3.08
09	2.16	2.08	1.79	3.74
10	16.69	18.03	13.95	29.05
Test Date	04-Aug-2022	04-Aug-2022	12-Aug-2022	04-Aug-2022
Test Site	SC	RL	RL	RL
Kit Part Code	2P36	NA	NA	NA
Kit Lot No.	39634BE00	37456BE00	NA	380
Kit Exp. Date	02-Jan-2023	01-Mar-2023	NA	24-Feb-2023

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

²Results are reported as the mean result of quadruplicate testing; positive/reactive results are noted in bold red.

SC = SeraCare; RL = Reference Lab; NA = Not Available

HIV Antigen/Antibody, HIV Antibody Assays

Panel Member	Bio-Rad GS HIV-1/HIV-2 PLUS O EIA (S/CO) ¹	Avioq HIV-1 Microelisa System (S/CO) ¹	Siemens ADVIA Centaur® HIV Ag/Ab Combo (Index) ¹
01	0.10	0.37	0.28
02	0.15	0.41	0.17
03	0.10	0.47	<0.05
04	0.13	0.53	<0.05
05	0.10	0.46	<0.05
06	0.16	0.49	<0.05
07	0.10	0.47	<0.05
08	0.09	0.50	1.86
09	0.73	0.66	5.23
10	14.08	1.70	>12.00
Test Date	09-Aug-2022	09-Aug-2022	04-Aug-2022
Test Site	SC	SC	RL
Kit Part Code	32588	100384	NA
Kit Lot No.	109TBB-05	21104H	70171320
Kit Exp. Date	31-Oct-2022	02-May-2023	09-Jan-2023

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HIV Rapid Tests

Panel Member	Alere Determine™ HIV-1/2 Ag/Ab Combo ¹		OraSure OraQuick Advance® Rapid HIV-1/2 Antibody Test ¹
	HIV Ag	HIV Ab	HIV-1/2 Ab
01	NEG	NEG	NEG
02	NEG	NEG	NEG
03	NEG	NEG	NEG
04	NEG	NEG	NEG
05	NEG	NEG	NEG
06	NEG	NEG	NEG
07	NEG	NEG	NEG
08	NEG	NEG	NEG
09	NEG	POS	NEG
10	NEG	POS	POS
Test Date	08-Aug-2022		04-Aug-2022
Test Site	SC		SC
Kit Part Code	7D2648		1001.0079
Kit Lot No.	194283		0006686067
Kit Exp. Date	27-Jun-2023		30-Nov-2023

¹Results are reported as singlicate testing; positive/reactive results are noted in bold red.

SC = SeraCare

POS = Positive; NEG = Negative

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HIV Confirmatory Assay

Bio-Rad Genetic Systems™ HIV-1 Western Blot¹

Panel Member	Band Pattern	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	No Bands	NEG
08	No Bands	NEG
09	No Bands	NEG
10	f160	IND
Test Date	04-Aug-2022	
Test Site	SC	
Kit Part Code	32508	
Kit Lot No.	64456713	
Kit Exp. Date	01-Sep-2022	

¹Results are reported as singlicate testing.
f=faint band; SC = SeraCare
NEG = Negative; IND = Indeterminate

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HIV Confirmatory Assay (continued)

INNOGENETICS® INNO-LIA™ HIV I/II Score¹

Band Results

Panel Member	HIV-1/2	Band Results						
	Antibody Interpretation	sgp120	gp41	p31	p24	p17	sgp105	gp36
01	NEG	-	-	-	-	-	-	-
02	NEG	-	-	-	-	-	-	-
03	NEG	-	-	-	-	-	-	-
04	NEG	-	-	-	-	-	-	-
05	NEG	-	-	-	-	-	-	-
06	NEG	-	-	-	-	-	-	-
07	NEG	-	-	-	-	-	-	-
08	NEG	-	-	-	-	-	-	-
09	NEG	-	-	-	-	-	-	-
10	IND	-	1+	-	-	-	-	-
Test Date	19-Aug-2022							
Test Site	RL							
Kit Part Code	NA							
Kit Lot No.	409602							
Kit Exp. Date	30-Jun-2023							

¹Results are reported as singlicate testing; positive/reactive results are noted in bold red.

RL = Reference Lab; NA = Not Available

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.