

AccuVert™ HIV-1 Seroconversion Panel

0600-0265 (PRB960) / Batch #10034064

OVERVIEW

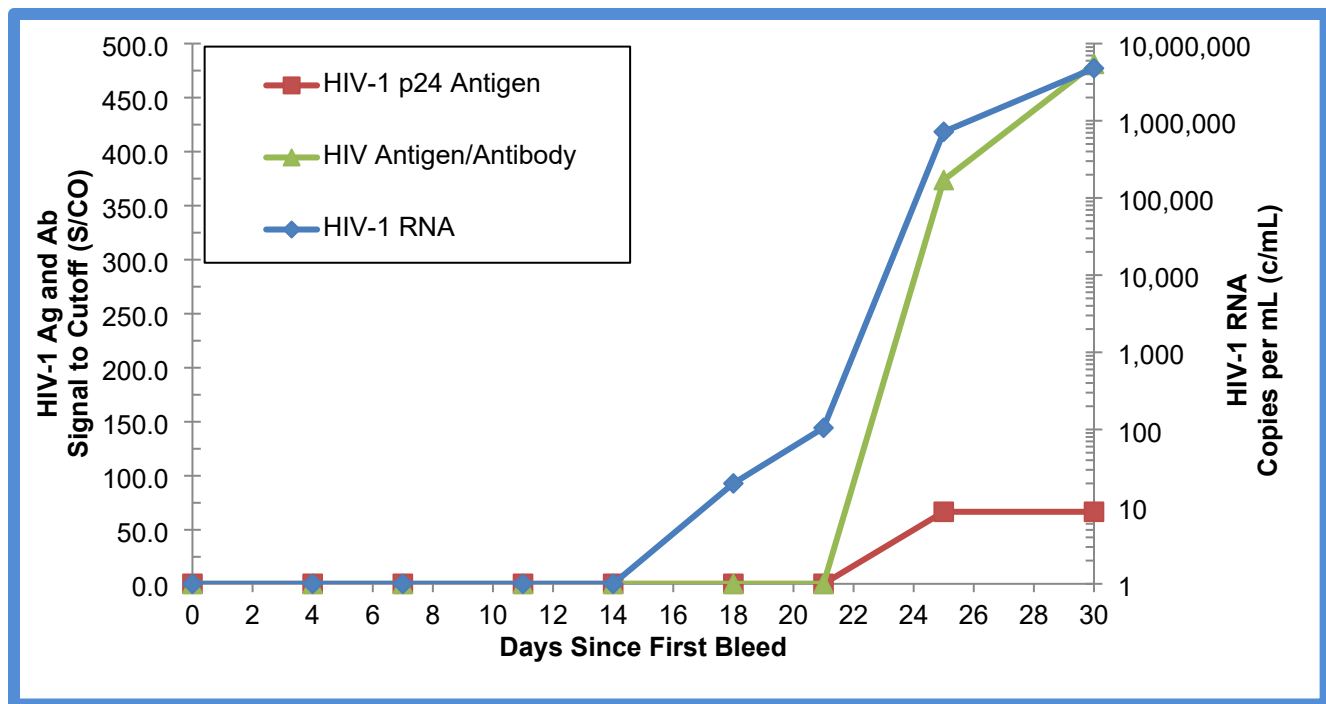
AccuVert™ HIV-1 Seroconversion Panel 0600-0265 (PRB960) / Batch #10034064 is a 9-member panel of undiluted, naturally occurring plasma samples (1 vial per member, 1.0 mL per vial). Panel members represent serial bleeds collected from a single individual over the course of 30 days in 1997 during the development 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 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 Antigen/Antibody), and Roche cobas® 6800/8800 (HIV-1 RNA) test methods. Panel members 8 and 9 are off-scale for the Perkin Elmer (HIV-1 p24 Antigen) assay.

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Panel Member Information

Panel Member	SeraCare Batch #	SeraCare Donor ID #	Bleed Date	Days Since 1 st Bleed
01	10000642	BD226034	09-Oct-1997	0
02	10000643	BD226034	13-Oct-1997	4
03	10000644	BD226034	16-Oct-1997	7
04	10000645	BD226034	20-Oct-1997	11
05	10000646	BD226034	23-Oct-1997	14
06	10000647	BD226034	27-Oct-1997	18
07	10000648	BD226034	30-Oct-1997	21
08	10000649	BD226034	06-Nov-1997	28
09	10000650	BD226034	08-Nov-1997	30

HIV RNA Assays

Panel Member	Roche Ultra Sensitive HIV-1 RNA (copies/mL)	Roche Standard HIV-1 RNA (copies/mL)	Roche cobas 6800/8800 HIV-1 RNA (copies/mL) ¹
01	<50	NT	TND
02	<50	NT	TND
03	<50	NT	TND
04	<50	NT	TND
05	<50	NT	TND
06	<50	NT	<20
07	2.9 x 10²	NT	1.05 x 10²
08	NT	2.8 x 10⁷*	7.20 x 10⁵
09	NT	1.1 x 10⁷*	4.78 x 10⁶
Test Date	24-Apr-2007	23-Apr-2007	05-Oct-2023
Test Site	BBI	BBI	RL
Kit Part Code	21118560018	21118560018	NA
Kit Lot No.	H04637	H04637	NA
Kit Exp. Date	Aug-2007	Aug-2007	NA

Positive/reactive results are noted in bold red.

*Result was calculated from a 1:100 dilution value.

¹Results are reported as the mean result of duplicate testing.

NT = not tested, TND = Target Not Detected; BBI = BBI Diagnostics (now LGC SeraCare); RL = Reference Lab; NA = Not Available

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HIV-1 Antigen

Panel Member	Coulter ELISA HIV-1 Ag (S/CO)	Zeptomatrix ELISA HIV-1 Ag (S/CO)	Perkin Elmer ELISA HIV-1 p24 Ag ¹ (S/CO)	Roche Elecys HIV-1 Ag (S/CO)
01	0.2	0.2	0.32	0.4
02	0.2	0.1	0.27	0.3
03	0.2	0.2	0.26	0.4
04	0.2	0.2	0.23	0.3
05	0.2	0.1	0.25	0.3
06	0.3	0.1	0.26	0.3
07	0.2	0.2	0.27	0.3
08	>40.0	70.8	>66.67	512.3
09	>40.0	75.3	>66.67	604.0
Test Date	04-Apr-2007	18-Jan-2007	26-Sep-2023	23-May-2007
Test Site	BBI	BBI	LGC	RL23
Kit Part Code	626391	801111	NEK050A	NA
Kit Lot No.	2066F514	302999	990-23261	176936-01
Kit Exp. Date	18-Apr-2007	22-Aug-2007	01-May-2024	Aug-2007

Positive/reactive results are noted in bold red.

¹Results are reported as the mean result of duplicate testing.

BBI = BBI Diagnostics (now LGC SeraCare); LGC = LGC SeraCare; RL23 = Reference Lab; NA = Not Available

HIV Antigen/Antibody Assays

Panel Member	Abbott EIA HIV-1/2 (S/CO)	Abbott ARCHITECT Combo HIV Ag/Ab ¹ (S/CO)	Abbott AxSYM Combo HIV Ag/Ab (S/CO)	Abbott PRISM Combo HIV Ag/Ab (S/CO)
01	0.2	0.12	0.5	0.1
02	0.1	0.12	0.5	0.1
03	0.1	0.08	0.5	0.1
04	0.1	0.08	0.5	0.1
05	0.1	0.08	0.7	0.1
06	0.1	0.11	0.5	0.1
07	0.1	0.13	0.5	0.1
08	0.1	373.71	40.2	131.8
09	0.1	481.21	43.5	159.6
Test Date	18-May-2007	25-Sep-2023	14-May-2007	16-May-2007
Test Site	BBI	LGC	RL23	RL23
Kit Part Code	3A77	2P36	NA	NA
Kit Lot No.	50178M200	50176BE00	52433LU00	52387HN00
Kit Exp. Date	10-Jul-2007	28-Oct-2023	12-Oct-2007	23-Oct-2007

Positive/reactive results are noted in bold red.

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HIV Antigen/Antibody Assays

Panel Member	Roche Elecsys Combi HIV Ag/Ab (S/CO)	Abbott Murex Combination HIV Ag/Ab (S/CO)	Dade Behring Enzygnost Integral II HIV Ag/Ab (S/CO)
01	0.3	0.3	0.0
02	0.2	0.2	0.1
03	0.2	0.3	0.1
04	0.2	0.3	0.1
05	0.2	0.3	0.0
06	0.3	0.3	0.1
07	0.2	0.3	0.1
08	69.5	>max	0.3
09	90.5	17.9	0.3
Test Date	23-May-2007	23-May-2007	23-May-2007
Test Site	RL23	RL23	RL23
Kit Part Code	NA	NA	NA
Kit Lot No.	178860-01	L000010	36815
Kit Exp. Date	Nov-2007	30-Nov-2007	06-Jun-2008

>max = Greater than assay's limit of detection; RL23 = Reference Lab; NA = Not Available

HIV-1/2 Plus O

Panel Member	Abbott PRISM HIV O plus HIV 1/2 gO (S/CO)	Abbott AxSYM HIV 1/2 gO (S/CO)	Siemens Advia Centaur enhanced HIV 1/2 gO (S/CO)	Abbott Murex HIV 1.2.O HIV 1/2 gO (S/CO)
01	0.3	0.5	0.1	0.3
02	0.3	0.4	0.1	0.2
03	0.4	0.5	0.1	0.2
04	0.3	0.4	0.1	0.2
05	0.3	0.7	0.1	0.2
06	0.4	0.5	< 0.05	0.2
07	0.4	0.4	0.1	0.3
08	0.3	0.4	0.1	0.3
09	0.4	0.5	0.1	0.3
Test Date	24-May-2007	23-May-2007	25-May-2007	24-May-2007
Test Site	RL23	RL23	RL23	RL23
Kit Part Code	NA	NA	NA	NA
Kit Lot No.	52543HN00	49034LU00	96445025	L000710
Kit Exp. Date	08-Jan-2008	14-Aug-2007	19-Mar-2008	28-Feb-2008

RL23 = Reference Lab; NA = Not Available

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HIV Rapid Test

Panel Member	Orasure Rapid HIV-1
01	NEG
02	NEG
03	NEG
04	NEG
05	NEG
06	NEG
07	NEG
08	NEG
09	NEG
Test Date	18-May-2007
Test Site	BBI
Kit Part Code	6341
Kit Lot No.	6601644
Kit Exp. Date	30-Sep-2007

BBI = BBI Diagnostics (now LGC SeraCare); NEG = Negative

HIV Confirmatory Assay

Maxim* Western Blot HIV-1

Panel Member	Band Pattern	Interpretation
01	f24	IND
02	f24	IND
03	f24	IND
04	f24	IND
05	No Bands	NEG
06	f24	IND
07	No Bands	NEG
08	No Bands	NEG
09	No Bands	NEG
Test Date	28-Jun-2007	
Test Site	BBI	
Kit Part Code	98002	
Kit Lot No.	C7242-072	
Kit Exp. Date	30-Aug-2007	

*Formerly Calypte - Cambridge Biotech Western Blot
BBI = BBI Diagnostics (now LGC SeraCare)
f = faint 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.