

# AccuVert™ HIV-1 Seroconversion Panel

0600-0237 (PRB953) / Batch # 10034068

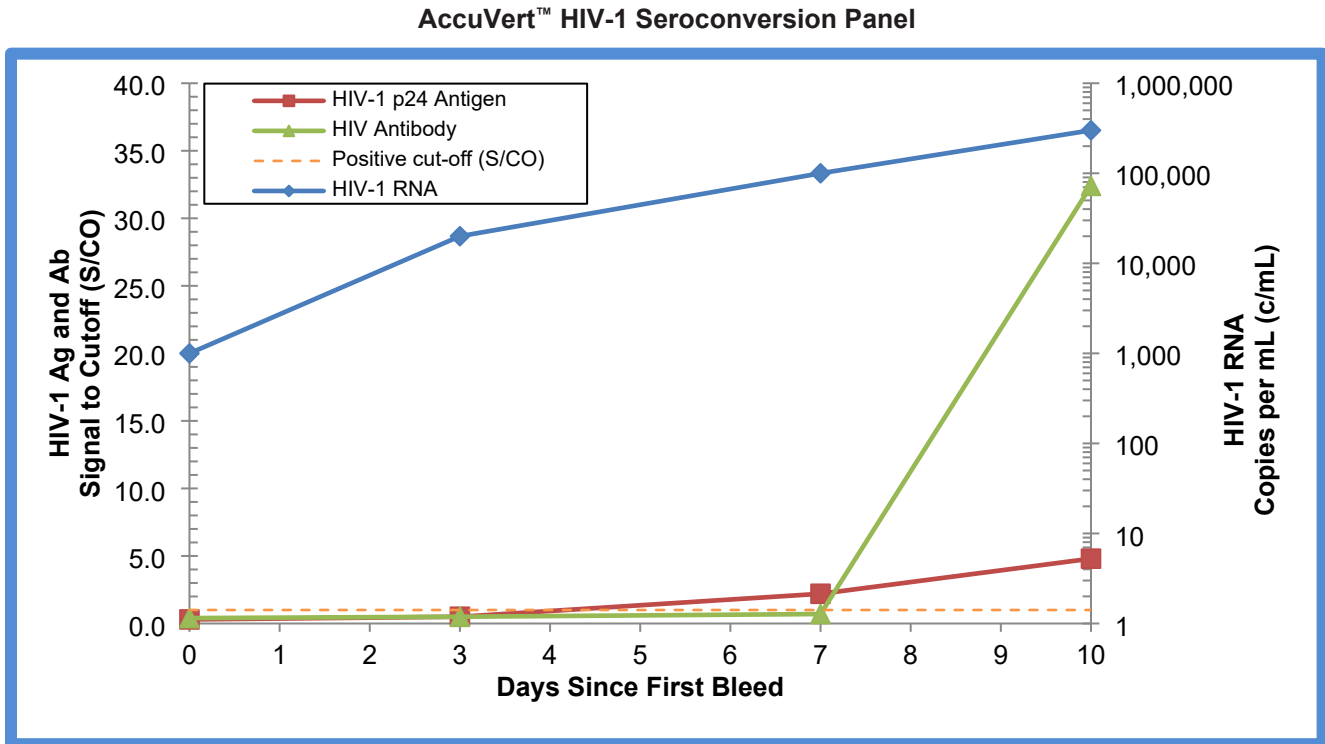
## OVERVIEW

AccuVert™ HIV-1 Seroconversion Panel 0600-0237 (PRB953) / Batch # 10034068 is a 4-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 10 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. All HIV antigen and antibody numeric results are means of duplicates.

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.



*This graph demonstrates the evolution of early HIV infection amongst panel members from the Chiron bDNA (HIV-1 RNA), Abbott (HIV-1 p24 Antigen), and Abbott PRISM (HIV Antibody) test methods.*

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## Panel Member Information

Panel Member	SeraCare Batch #	SeraCare Donor ID #	Bleed Date	Days Since 1 <sup>st</sup> Bleed
01	10000676	BD213142	25-Jun-1997	0
02	10000677	BD213142	28-Jun-1997	3
03	10000679	BD213142	02-Jul-1997	7
04	10000678	BD213142	05-Jul-1997	10

## HIV RNA

Panel Member	Chiron bDNA HIV-1 RNA (copies/mL)	Org. Tek. NASBA HIV-1 RNA (copies/mL)	Roche PCR HIV-1 RNA (copies/mL)
01	<b>1 x 10<sup>3</sup></b>	<b>2 x 10<sup>3</sup></b>	<b>4 x 10<sup>3</sup></b>
02	<b>2 x 10<sup>4</sup></b>	<b>3 x 10<sup>4</sup></b>	<b>8 x 10<sup>4</sup></b>
03	<b>1 x 10<sup>5</sup></b>	<b>3 x 10<sup>5</sup></b>	<b>7 x 10<sup>5</sup></b>
04	<b>3 x 10<sup>5</sup></b>	<b>6 x 10<sup>5</sup></b>	<b>1 x 10<sup>6</sup></b>
Test Date	16-Apr-1998	09-Apr-1998	10-Apr-1998
Test Site	BBI	BBI	BBI
Kit Part Code	6002-027	84046	83088
Kit Lot No.	MNA777	9705150	00058
Kit Exp. Date	03-Aug-1998	30-Apr-2000	30-Jul-1998

Positive/reactive results are noted in bold red.  
BBI = BBI Diagnostics (now LGC SeraCare).

## HIV Antigen Assays

Panel Member	Abbott (S/CO)	Coulter (S/CO)	Innogenetics Innotest (S/CO)	Org. Tek. (S/CO)
01	0.3	0.1	0.3	0.2
02	0.5	0.6	<b>1.2</b>	0.4
03	<b>2.2</b>	<b>8.8</b>	<b>12.4</b>	<b>1.6</b>
04	<b>4.8</b>	<b>19.3</b>	<b>24.1</b>	<b>2.2</b>
Test Date	23-Apr-1998	07-May-1998	23-Apr-1998	05-May-1998
Test Site	BBI	BBI	BBI	BBI
Kit Part Code	2A81	933084	K-1048	59464
Kit Lot No.	37581M201	2067J045	70930877	150360
Kit Exp. Date	21-May-1998	21-Aug-1998	30-Sep-1998	30-Oct-1998

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## HIV Antibody Assays

Panel Member	Abbott HIV (S/CO)	Abbott HIV-1/2 (S/CO)	Gen. Sys. HIV (S/CO)	Gen. Sys. HIV-1/2 (S/CO)	Org. Tek. HIV (S/CO)
01	0.1	0.2	0.2	0.2	0.4
02	0.1	0.1	0.1	0.2	0.3
03	0.1	1.1	0.2	0.1	0.5
04	0.5	<b>&gt;16.5</b>	0.2	<b>1.3</b>	0.5
Test Date	23-Apr-98	08-May-98	04-May-98	24-Apr-98	27-Apr-98
Test Site	BBI	BBI	BBI	BBI	BBI
Kit Part Code	3A11	3A77	0218-05	32551	59605
Kit Lot No.	37041M401	38238M301	328PX1-5	296PP1-5	160076
Kit Exp. Date	12-May-98	29-Jun-98	24-Aug-98	25-Jul-98	14-Jan-99

Positive/reactive results are noted in bold red.  
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## HIV Antibody Assays

Panel Member	Abbott 3rd Gen. PLUS (S/CO)	Abbott AxSYM (S/CO)	Abbott PRISM (S/CO)	Behring Enzygnost (S/CO)	BioChem Detect HIV (S/CO)
01	0.2	0.3	0.4	0.1	0.1
02	0.2	0.4	0.5	0.1	0.1
03	0.6	0.5	0.7	0.3	0.0
04	<b>&gt;17.3</b>	<b>8.7</b>	<b>32.4</b>	<b>&gt;6.3</b>	0.5
Test Date	13-May-98	12-May-98	20-May-98	14-May-98	26-Mar-98
Test Site	RL	RL	RL	RL	BBI
Kit Part Code	7A8424	9A44	4A27	OQFK12/13	RHD-902W
Kit Lot No.	40059HP00	40777LU00	309061HP00	29804	98-1101-2
Kit Exp. Date	19-Oct-98	25-Sep-98	29-Aug-98	28-Jan-99	31-Jan-99

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## HIV Antibody Assays

Panel Member	Biotest HIV 1/2 (S/CO)	Boeh. Mann. Enzymun Gen. 3 (S/CO)	Diag. Past. Access (S/CO)	Diag. Past. Genscreen (S/CO)	Murex HIV 1.2.0 (S/CO)
01	0.4	0.3	0.5	0.7	0.3
02	0.4	0.3	0.5	0.7	0.3
03	0.5	0.3	0.6	1.0	0.7
04	<b>2.2</b>	<b>1.4</b>	<b>2.3</b>	<b>&gt;16.5</b>	<b>&gt;11.2</b>
Test Date	19-May-98	15-May-98	23-May-98	13-May-98	26-Mar-98
Test Site	RL	RL	RL	RL	BBI
Kit Part Code	807004	1557319	34000	72276	GE94
Kit Lot No.	1181097	194539-01	894642	8C119R	F439510
Kit Exp. Date	31-Jul-98	28-Feb-99	02-Jan-99	30-Mar-99	28-Sep-98

Positive/reactive results are noted in bold red.

BBI = BBI Diagnostics (now LGC SeraCare); RL = Reference Lab

## HIV Antibody Assays

Panel Member	Org. Tek. Uni-form II PLUS (S/CO)	Ortho Capture (S/CO)	Roche DAGS (S/CO)	Fujirebio Serodia		In House IgA (S/CO)	In House IgM (S/CO)
				HIV-1	HIV-2		
01	0.4	0.0	0.1	-	-	0.4	0.4
02	0.4	0.0	0.1	-	-	0.3	0.4
03	0.5	<b>1.2</b>	0.1	-	-	0.5	0.5
04	<b>4.6</b>	<b>&gt;11.5</b>	<b>1.9</b>	<b>+</b>	-	<b>6.7</b>	<b>5.7</b>
Test Date	15-May-98	15-May-98	13-May-98	14-May-98	11-May-98	11-May-98	11-May-98
Test Site	RL	RL	RL	RL	RL	RL	RL
Kit Part Code	84017	932360	756059	FJ4557	NA	NA	NA
Kit Lot No.	97100502	HVK112-2	P0342	TP80304	NA	NA	NA
Kit Exp. Date	30-Sep-98	31-May-98	30-Apr-99	31-Mar-99	NA	NA	NA

Positive/reactive results are noted in bold red.

RL = Reference Lab; NA = Not Available

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### Anti-HIV-1 Confirmatory Assays

Panel Member	Ortho/Cambridge Western Blot <sup>1</sup>		Waldheim IFA
	Band Pattern	Result	
01	No bands	NEG	NEG
02	No bands	NEG	NEG
03	No bands	NEG	NEG
04	No bands	NEG	NEG
Test Date	28-Apr-98		12-May-98
Test Site	BBI		RL
Kit Part Code	98002		NA
Kit Lot No.	A8294-185		71200K50
Kit Exp. Date	21-Oct-1998		30-Sep-98

<sup>1</sup>Western Blots are interpreted using ASTPHLD/CDC criteria (MMWR, vol. 38, S-7, 1989).  
NEG = Negative; BBI = BBI Diagnostics (now LGC 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 [CDx-Info@LGCGroup.com](mailto:CDx-Info@LGCGroup.com) or by phone at 508.244.6400.