

## OVERVIEW

This Data sheet contains test results specific for HIV-1 Seroconversion Panel PRB962.

PRB962 panel members are undiluted, unpreserved aliquots from plasma units collected in 2000 from a single donor, whose HIV RNA level increased from 760 to 12,000,000 copies/ml in ten days.

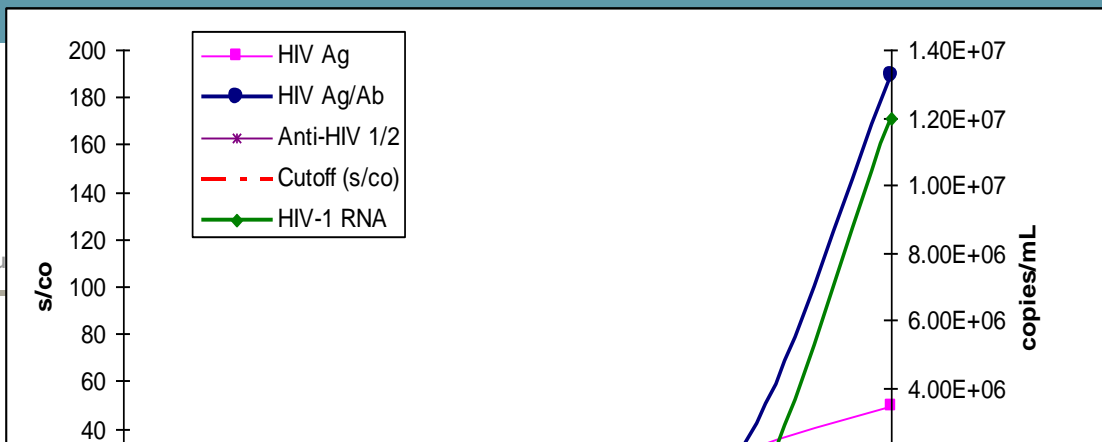
CAUTION: Potentially infectious materials. Follow Universal Precautions. Some panel members were found positive for anti-HIV; all were found negative for HBsAg and anti-HCV.

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.

## EVOLUTION OF HIV MARKERS IN EARLY INFECTION



tion of early HIV  
ts over time for  
combinations.

DIAGNOSTICS

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HIV RNA (copies/mL)

Panel Member	Bleed Date	Days Since 1 <sup>st</sup> Bleed	Fiebig Stage <sup>1</sup>	Roche Ultra Sensitive HIV-1 RNA	Roche Standard HIV-1 RNA
PRB962-01	21-Mar-00	0	NA	<50	NT
PRB962-02	23-Mar-00	2	NA	<50	NT
PRB962-03	28-Mar-00	7	I	NT	7.6 x 10 <sup>2</sup>
PRB962-04	30-Mar-00	9	I	NT	7.7 x 10 <sup>3</sup>
PRB962-05	4-Apr-00	14	II	NT	7.0 x 10 <sup>5</sup>
PRB962-06	7-Apr-00	17	II	NT	1.2 x 10 <sup>7</sup>
Test Date				3-May-07	20-Apr-07
Test Site				SC	SC
Kit Part Code				21118560018	21118560018
Kit Lot No.				H14002	H04637
Kit Exp. Date				29-Feb-08	31-Aug-07

1. Fiebig stages are categories that define phases of early HIV infection. See Fiebig EW, 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 HY, et al. Modeling sequence evolution in acute HIV-1 infection. JTB 2009, 261:341-360.

HIV Antigen (s/co)<sup>2</sup>

Panel Member	Bleed Date	Days Since 1 <sup>st</sup> Bleed	Coulter ELISA HIV-1 Ag	Perkin Elmer ELISA HIV-1 Ag	Roche Elecsys HIV-1 Ag	Zeptometrix ELISA HIV-1 Ag
PRB962-01	21-Mar-00	0	0.3	0.3	0.1	0.1
PRB962-02	23-Mar-00	2	0.2	0.2	0.2	0.2
PRB962-03	28-Mar-00	7	0.2	0.2	0.2	0.2
PRB962-04	30-Mar-00	9	0.6	0.3	0.3	0.3
PRB962-05	4-Apr-00	14	>40.0	29.6	22.6	9.6
PRB962-06	7-Apr-00	17	>40.0	>49.2	154.6	23.7
Test Date			4-Apr-07	24-May-07	23-May-07	22-Mar-07
Test Site			SC	SC	RL	SC
Kit Part Code			626391	NEK 050A	NA	801111
Kit Lot No.			2066F514	394387	176936-01	303199
Kit Exp. Date			18-Apr-07	16-Nov-07	31-Aug-07	18-Jan-08

2. Immunoassay results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios ≥1.0 are considered reactive and noted in red.

NT= Not tested, NA = Not available; Neg = Negative  
SC = SeraCare; RL = Reference Lab

**HIV Antigen/Antibody (s/co)<sup>1</sup>**

Panel Member	Bleed Date	Days Since 1 <sup>st</sup> Bleed	Abbott ARCHITECT Combo HIV Ag/Ab	Abbott AxSYM Combo HIV Ag/Ab	Abbott Murex Combination HIV Ag/Ab	Abbott PRISM Combo HIV Ag/Ab	Dade Behring Enzygnost Integral II HIV Ag/Ab	Roche Elecsys Combi HIV Ag/Ab
PRB962-01	21-Mar-00	0	0.2	0.4	0.3	0.1	0.1	0.2
PRB962-02	23-Mar-00	2	0.2	0.4	0.3	0.1	0.1	0.3
PRB962-03	28-Mar-00	7	0.2	0.4	0.3	0.1	0.1	0.3
PRB962-04	30-Mar-00	9	0.3	0.5	0.3	0.2	0.2	0.3
PRB962-05	4-Apr-00	14	28.4	15.1	9.9	11.3	11.9	3.7
PRB962-06	7-Apr-00	17	189.6	46.9	>max	70.8	11.7	22.8
Test Date			10-May-07	14-May-07	23-May-07	16-May-07	23-May-07	23-May-07
Test Site			RL	RL	RL	RL	RL	RL
Kit Part Code			4J27-30	2G83-20	GE41	7G46-48	OQTO 11	04860446
Kit Lot No.			52051HN00	52433LU00	L000010	52387HN00	36815	178860-01
Kit Exp. Date			2-Jan-08	12-Oct-07	30-Nov-07	23-Oct-07	6-Jun-08	30-Nov-07

**HIV Antibody (s/co)<sup>1</sup>**

Panel Member	Bleed Date	Days Since 1 <sup>st</sup> Bleed	Abbott AxSYM HIV 1/2 gO	Abbott EIA HIV 1/2	Abbott PRISM HIV O plus HIV 1/2 gO	Abbott Murex HIV 1.2.O HIV 1/2 gO	Siemens HIV 1/O/2 Enhanced Advia Centaur
PRB962-01	21-Mar-00	0	0.4	0.1	0.3	0.2	0.2
PRB962-02	23-Mar-00	2	0.4	0.1	0.3	0.2	0.1
PRB962-03	28-Mar-00	7	0.4	0.1	0.3	0.2	0.1
PRB962-04	30-Mar-00	9	0.4	0.1	0.3	0.2	0.1
PRB962-05	4-Apr-00	14	0.4	0.1	0.3	0.2	0.1
PRB962-06	7-Apr-00	17	0.5	0.1	0.3	0.4	0.2
Test Date			24-May-07	18-May-07	24-May-07	24-May-07	25-May-07
Test Site			RL	SC	RL	RL	RL
Kit Part Code			3D41-20	3A77	7G46-48	GE94	01463908
Kit Lot No.			50220LU00	50178M200	52543HN00	L000710	96445025
Kit Exp. Date			17-Oct-07	10-Jul-07	8-Jan-08	28-Feb-08	19-Mar-08

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**Anti-HIV Confirmatory and Rapid Tests**

Panel Member	Bleed Date	Days Since 1 <sup>st</sup> Bleed	Maxim <sup>1</sup> Western Blot HIV-1 Band Pattern	Maxim <sup>1</sup> Western Blot HIV-1 Result	OraSure Rapid HIV-1
PRB962-01	21-Mar-00	0	No Bands	Neg	Neg
PRB962-02	23-Mar-00	2	No Bands	Neg	Neg
PRB962-03	28-Mar-00	7	No Bands	Neg	Neg
PRB962-04	30-Mar-00	9	No Bands	Neg	Neg
PRB962-05	4-Apr-00	14	No Bands	Neg	Neg
PRB962-06	7-Apr-00	17	No Bands	Neg	Neg
Test Date			11-Jun-07	18-May-07	
Test Site			SC	SC	
Kit Part Code			98002	6341	
Kit Lot No.			F7242-027	6601644	
Kit Exp. Date			30-Aug-07	30-Sep-07	

1. Formerly Calypte – Cambridge Biotech Western Blot

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The Data Sheet for this panel in PDF form can be found at [www.seracarepanels.com](http://www.seracarepanels.com)

The printed Data Sheet may be requested by email at [info@seracare.com](mailto:info@seracare.com), or by phone at 508.244.6400