

# Anti-HIV-1 Mixed Titer AccuSet™ Performance Panel Modified

PRB205(M2) (0800-0303)

## DATA SHEET

### OVERVIEW

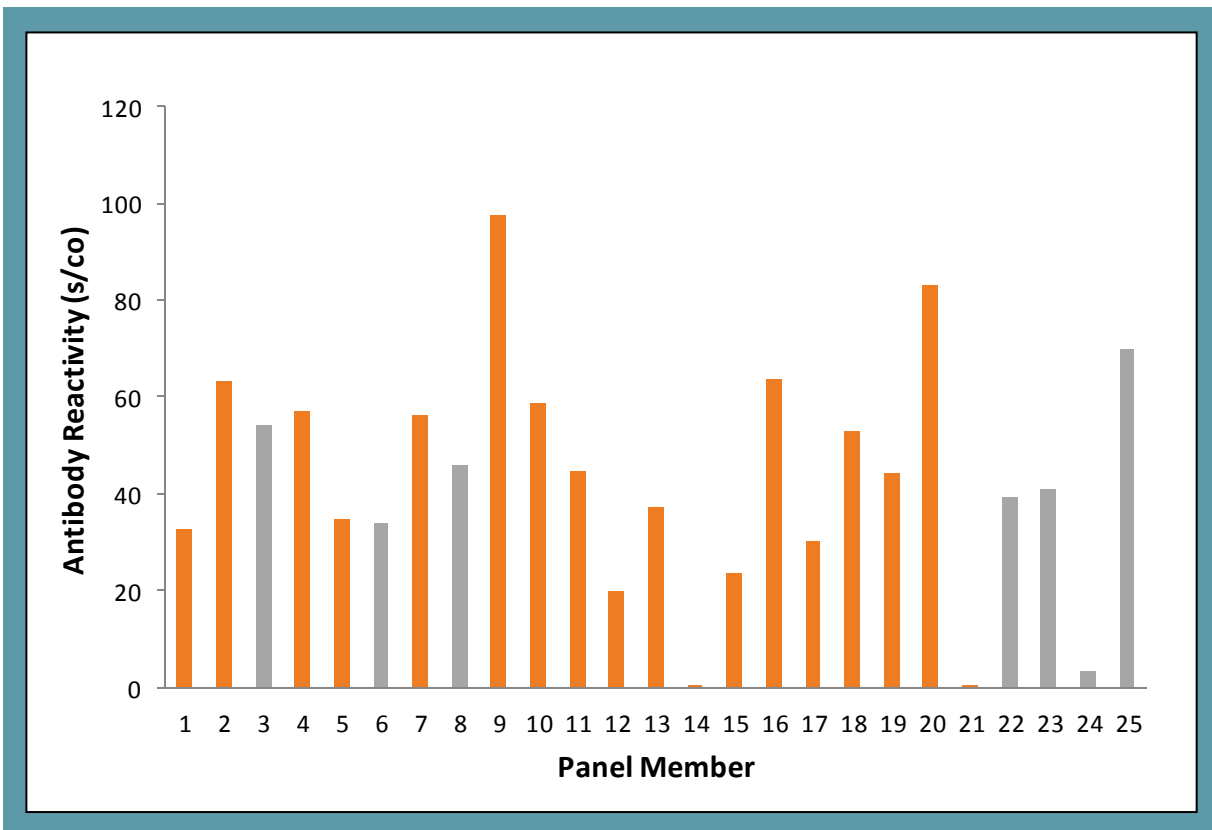
Anti-HIV-1 Mixed Titer AccuSet™ Performance Panel PRB205(M2) is a modified 17-member panel originating from Anti-HIV-1 Mixed Titer Performance Panel PRB205-1.0. Panel members 3, 6, 8, 21, 22, 23, 24, and 25 are no longer available. Panel members are naturally-occurring plasma samples ranging from negative to strong positive for anti-HIV, with test results from 14 anti-HIV or antigen/antibody methods, including three rapid assays and two confirmatory methods. Fiebig stage and test results for HIV p24 antigen and HIV RNA are also included. HIV RNA data are for reference only.

All members were processed by filtration through a 0.8µm filters. No preservatives were added.

**CAUTION:** Potentially infectious materials. Follow Universal Precautions. Some panel members were found positive for HIV Ag and/or anti-HIV-1; some were found positive for HBsAg (Member 2) and anti-HCV (member 2 & 16).

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

### Anti-HIV-1 Mixed Titer AccuSet™ Mixed Titer Performance Panel



*This graph demonstrates the breadth of antibody reactivity to HIV amongst panel members utilizing the Ortho HIV-1/HIV-2 Vitros ECI test method. Panel members 3, 6, 8, 21, 22, 23, 24 and 25 are no longer available; data are provided for informational purposes only.*

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### HIV RNA and Antigen

Panel Member	Fiebig Stage <sup>1</sup>	Perkin Elmer HIV Ag p24 (s/co) <sup>2</sup>	Roche HIV RNA CAP/CTM v 1.0 (copies/mL)
PRB205(M2)-01	V	0.4	1.2x10 <sup>3</sup>
PRB205(M2)-02	VI	0.3	6.5x10 <sup>3</sup>
PRB205(M2)-03*	III	>42.3	5.7x10 <sup>4</sup>
PRB205(M2)-04	VI	0.5	1.4x10 <sup>6</sup>
PRB205(M2)-05	VI	0.2	4.4 x 10 <sup>3</sup>
PRB205(M2)-06*	III	1.6	2.3 x 10 <sup>3</sup>
PRB205(M2)-07	III	7.6	1.1 x 10 <sup>5</sup>
PRB205(M2)-08*	IV	>42.3	2.9 x 10 <sup>7</sup>
PRB205(M2)-09	VI	0.5	2.0 x 10 <sup>2</sup>
PRB205(M2)-10	V	0.3	7.0 x 10 <sup>3</sup>
PRB205(M2)-11	VI	0.5	1.5 x 10 <sup>2</sup>
PRB205(M2)-12	III	10.7	1.2 x 10 <sup>5</sup>
PRB205(M2)-13	VI	0.3	2.5 x 10 <sup>4</sup>
PRB205(M2)-14	NA	0.3	BLD
PRB205(M2)-15	V	3.5	1.8 x 10 <sup>5</sup>
PRB205(M2)-16	VI	0.4	4.6 x 10 <sup>4</sup>
PRB205(M2)-17	V	2.8	1.5 x 10 <sup>4</sup>
PRB205(M2)-18	IV	3.6	8.9 x 10 <sup>4</sup>
PRB205(M2)-19	VI	0.4	6.2 x 10 <sup>2</sup>
PRB205(M2)-20	VI	0.3	1.5 x 10 <sup>3</sup>
PRB205(M2)-21*	NA	0.5	BLD
PRB205(M2)-22*	VI	2.0	1.5 x 10 <sup>5</sup>
PRB205(M2)-23*	V	0.4	BLD
PRB205(M2)-24*	III	6.5	1.5 x 10 <sup>5</sup>
PRB205(M2)-25*	V	0.4	BLD
Test Date		14-May-10	18-May-10, 19-May-10
Test Site		SC	SC
Kit Part Code		NEK050B	M15645
Kit Lot No.		990-100306	3542998
Kit Exp Date:		01-Nov-10	31-Jan-11

<sup>1</sup>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.

<sup>2</sup>HIV p24 results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios ≥1.0 are considered reactive and noted in red.

\*Panel members 3, 6, 8, 21, 22, 23, 24 and 25 are no longer available; data are provided for informational purposes only.  
BLD = below the limit of detection; NA = not available, SC = SeraCare

# Anti-HIV-1 Mixed Titer AccuSet™ Performance Panel Modified

PRB205(M2) 0800-0303

## DATA SHEET

HIV Antigen/Antibody (s/co) <sup>1</sup>					
Panel Member	Abbott HIV Ag/Ab Combo ARCHITECT	Abbott HIV Ag/Ab Combo AxSYM	Abbott HIV Ag/Ab Combo PRISM	Bio-Rad Genscreen Ultra HIV Ag/Ab Combo	DiaSorin Murex HIV Ag/Ab Combo
PRB205(M2)-01	16	8.5	3.1	>10.5	16.3
PRB205(M2)-02	710.6	65.5	45.7	>10.5	18.8
PRB205(M2)-03*	48.9	24	28.6	>10.5	16.0
PRB205(M2)-04	645.9	49.9	43.2	>10.5	18.0
PRB205(M2)-05	527.1	52.7	40.1	>10.5	17.1
PRB205(M2)-06*	2.2	3.2	1.8	8.2	4.2
PRB205(M2)-07	7.3	12.1	5.2	>10.5	12.4
PRB205(M2)-08*	489.3	73.9	158.1	>10.5	19
PRB205(M2)-09	253.6	41.5	39.7	>10.5	16.9
PRB205(M2)-10	440	40.1	36.1	>10.5	16.6
PRB205(M2)-11	325.9	38.3	32.5	>10.5	18.6
PRB205(M2)-12	12.9	7.8	6.7	4.6	8.1
PRB205(M2)-13	210.1	17.2	15.5	>10.5	16.9
PRB205(M2)-14	0.3	0.5	0.1	0.5	0.3
PRB205(M2)-15	116.9	9.1	16.1	>10.5	15.6
PRB205(M2)-16	285.9	53.7	33.3	>10.5	19.3
PRB205(M2)-17	121.6	5.5	7.3	>10.5	16.6
PRB205(M2)-18	11.8	9.3	4.9	>10.5	14.4
PRB205(M2)-19	22.3	10.6	5.3	>10.5	16.2
PRB205(M2)-20	606.7	76.6	38.5	>10.5	16.8
PRB205(M2)-21*	0.3	0.5	0.1	0.7	0.2
PRB205(M2)-22*	446.7	40.8	28	>10.5	15.5
PRB205(M2)-23*	181.2	14	13.8	>10.5	16.2
PRB205(M2)-24*	8.8	3.9	4.9	2.7	3.2
PRB205(M2)-25*	217.6	31.5	27.5	>10.5	17.4
Test Date	25-Aug-10	08-Sep-10	23-Aug-10	28-Sep-10	26-Aug-10, 27-Aug-10
Test Site	RL	RL	RL	SC	RL
Kit Part Code	4J27-30	2G8320	7G46-48	72386	7G79-09
Kit Lot No.	89341HN00	89051LF01	91727HN00	OF1056	L377210
Kit Exp. Date	19-Jan-11	22-Oct-10	27-Jan-11	30-Nov-11	31-Jan-11

<sup>1</sup>Immunoassay results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios  $\geq 1.0$  are considered reactive and noted in red.

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RL = Reference Lab; SC = SeraCare

# Anti-HIV-1 Mixed Titer AccuSet™ Performance Panel Modified

PRB205(M2) 0800-0303

## DATA SHEET

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

Panel Member	Abbott HIV-1/HIV-2 rDNA	Avioq HIV-1 Microelisa System	Bio-Rad HIV-1rLAV Gen Sys	Bio-Rad HIV-1/HIV-2 Plus O Gen Sys	Ortho HIV-1/HIV-2 Vitros ECI	Siemens HIV-1/O2 Enhanced Advia Centaur
PRB205(M2)-01	7.2	3.6	3.7	>10.1	32.7	19.9
PRB205(M2)-02	18.4	>7.5	9.5	>10.1	63.3	>50
PRB205(M2)-03*	15.7	0.8	1.1	>10.1	54.3	>50
PRB205(M2)-04	>18.5	>7.5	9.5	>10.1	57.1	>50
PRB205(M2)-05	>18.5	>7.5	9.7	>10.1	34.8	>50
PRB205(M2)-06*	6.7	1.8	0.4	>10.1	34.1	48.7
PRB205(M2)-07	6.5	0.6	0.8	>10.1	56.3	>50
PRB205(M2)-08*	12.4	2.7	1.2	>10.1	45.8	19.2
PRB205(M2)-09	>18.5	>7.5	9.2	>10.1	97.6	>50
PRB205(M2)-10	>18.5	>7.5	9.6	>10.1	58.8	>50
PRB205(M2)-11	>18.5	>7.5	9.5	>10.1	44.5	>50
PRB205(M2)-12	6.9	0.4	0.5	2.5	19.8	16.6
PRB205(M2)-13	>18.5	>7.5	8.5	>10.1	37.3	>50
PRB205(M2)-14	0.2	0.2	0.1	0.4	0.1	0.6
PRB205(M2)-15	10.8	5.5	4.5	>10.1	23.4	28.8
PRB205(M2)-16	>18.5	>7.5	9.5	>10.1	63.5	>50
PRB205(M2)-17	7.2	5.8	5.4	>10.1	30.1	>50
PRB205(M2)-18	10.9	1.3	2.5	>10.1	52.8	>50
PRB205(M2)-19	13.1	6.5	4.6	>10.1	44.3	>50
PRB205(M2)-20	>18.5	>7.5	9.3	>10.1	83.3	>50
PRB205(M2)-21*	0.3	0.3	0.2	0.5	0.1	0.1
PRB205(M2)-22*	18.1	>7.5	9.4	>10.1	39.3	>50
PRB205(M2)-23*	15	7.2	6.4	>10.1	40.9	>50
PRB205(M2)-24*	1.2	0.2	0.1	0.2	3.2	1.9
PRB205(M2)-25*	>18.5	>7.5	8.2	>10.1	69.9	>50
Test Date	23-Aug-10	13-Sep-10	18-May-10	21-Sep-10	20-Aug-10	20-Sep-10, 04-Aug-10
Test Site	SC	SC	SC	SC	RL	RL
Kit Part Code	3A77-68	100384	32511	32588	SP6801861	1622429
Kit Lot No.	85216M600	J0904	197DAA-05	104EBB-05	330	57278068
Kit Exp. Date	03-Nov-10	12-Jan-11	01-Jun-10	08-Dec-10	25-Jan-11	25-Dec-10

<sup>1</sup>Immunoassay results are means of duplicates expressed as signal to cutoff ratios (s/co). Ratios  $\geq 1.0$  are considered reactive and noted in red.

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# Anti-HIV-1 Mixed Titer AccuSet™ Performance Panel Modified

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## DATA SHEET

### HIV-1 Confirmatory<sup>1</sup>

Panel Member	Bio-Rad Western Blot Band Pattern	Bio-Rad Western Blot Result	Innogenetics INNO-LIA HIV I/II Band Pattern	Innogenetics INNO-LIA HIV I/II Result <sup>1</sup>
PRB205(M2)-01	24, f31, f51, 55, 160	POS	24, 41	POS
PRB205(M2)-02	24, 31, 41, 51, 55, 65, 120, 160	POS	17, 24, 31, 41, 120	POS
PRB205(M2)-03*	No Bands	NEG	No Bands	NEG
PRB205(M2)-04	f18, 24, 31, 41, 51, 55, 65, 120, 160	POS	24, 31, 41, 120	POS
PRB205(M2)-05	18, 24, 31, 41, 51, 55, 65, 120, 160	POS	17, 24, 31, 41, 120	POS
PRB205(M2)-06*	No Bands	NEG	No Bands	NEG
PRB205(M2)-07	No Bands	NEG	No Bands	NEG
PRB205(M2)-08*	18, 160	IND	41	IND
PRB205(M2)-09	f18, 24, 31, 41, 51, 55, 65, 120, 160	POS	17, 24, 31, 41, 120	POS
PRB205(M2)-10	18, 24, f31, 41, 51, 55, 65, 120, 160	POS	17, 24, 41, 120	POS
PRB205(M2)-11	f18, 24, 31, 41, 55, 65, 120, 160	POS	17, 24, 31, 41, 120	POS
PRB205(M2)-12	No Bands	NEG	No Bands	NEG
PRB205(M2)-13	18, 24, 31, 41, 51, 55, 65, 120, 160	POS	17, 24, 31, 41, 120	POS
PRB205(M2)-14	No Bands	NEG	No Bands	NEG
PRB205(M2)-15	18, 24, f41, f51, 55, 65, 160	POS	17, 24, 41, 120	POS
PRB205(M2)-16	18, 24, 31, 41, 51, 55, 65, 120, 160	POS	17, 24, 31, 41, 120	POS
PRB205(M2)-17	f18, 24, f41, 51, 55, f65, f120, 160	POS	17, 24, 41, 120	POS
PRB205(M2)-18	f160	IND	41	IND
PRB205(M2)-19	18, 24, 31, f51, 55, f65, 160	POS	17, 24, 41, 120	POS
PRB205(M2)-20	18, 24, 31, 41, 51, 55, 65, 120, 160	POS	17, 24, 31, 41, 120	POS
PRB205(M2)-21*	No Bands	NEG	No Bands	NEG
PRB205(M2)-22*	24, 31, 41, 51, 55, 65, 120, 160	POS	17, 24, 31, 41, 120	POS
PRB205(M2)-23*	f18, 24, 51, 55, 160	POS	17, 24, 41, 120	POS
PRB205(M2)-24*	No Bands	NEG	No Bands	NEG
PRB205(M2)-25*	f18, f24, 41, f51, 55, f65, 120, 160	POS	17, 24, 41, 120	POS
Test Date	02-Jul-10 & 08-Jul-10		20-Sep-10	
Test Site	SC		RL	
Kit Part Code	32508		80540	
Kit Lot No.	967107		206153	
Kit Exp. Date	29-Dec-10		01-May-11	

<sup>1</sup>All positives are positive for HIV-1

\*Panel members 3, 6, 8, 21, 22, 23, 24 and 25 are no longer available; data are provided for informational purposes only.  
POS = positive; NEG = negative; IND = indeterminate; RL = Reference Lab; SC = SeraCare

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## DATA SHEET

### HIV-1 Confirmatory

Panel Member	Bio-Rad Multispot HIV-1 Result	Bio-Rad Multispot HIV-2 Result	Orasure OraQuick Advance HIV-1/2 Result	Inverness Determine Combo HIV Ag Result	Inverness Determine Combo HIV Ab Result
PRB205(M2)-01	POS	NEG	NEG	NEG	POS
PRB205(M2)-02	POS	NEG	POS	NEG	POS
PRB205(M2)-03*	POS	NEG	NEG	POS	POS
PRB205(M2)-04	POS	NEG	POS	NEG	POS
PRB205(M2)-05	POS	NEG	POS	NEG	POS
PRB205(M2)-06*	POS	NEG	NEG	NEG	POS
PRB205(M2)-07	NEG	NEG	NEG	POS	POS
PRB205(M2)-08*	NEG	NEG	NEG	POS	POS
PRB205(M2)-09	POS	NEG	POS	NEG	POS
PRB205(M2)-10	POS	NEG	POS	NEG	POS
PRB205(M2)-11	POS	NEG	POS	NEG	POS
PRB205(M2)-12	NEG	NEG	NEG	NEG	NEG
PRB205(M2)-13	POS	NEG	POS	NEG	POS
PRB205(M2)-14	NEG	NEG	NEG	NEG	NEG
PRB205(M2)-15	POS	NEG	POS	NEG	POS
PRB205(M2)-16	POS	NEG	POS	NEG	POS
PRB205(M2)-17	POS	NEG	POS	NEG	POS
PRB205(M2)-18	POS	NEG	NEG	NEG	POS
PRB205(M2)-19	POS	NEG	POS	NEG	POS
PRB205(M2)-20	POS	NEG	POS	NEG	POS
PRB205(M2)-21*	NEG	NEG	NEG	NEG	NEG
PRB205(M2)-22*	POS	NEG	POS	NEG	POS
PRB205(M2)-23*	POS	NEG	POS	NEG	POS
PRB205(M2)-24*	NEG	NEG	NEG	NEG	NEG
PRB205(M2)-25*	POS	NEG	POS	NEG	POS
Test Date	07-Sep-10		24-Sep-10		09-Sep-10
Test Site	SC		SC		SC
Kit Part Code	25228		6621583		7D26-46
Kit Lot No.	100590		1001.0079		100203
Kit Exp. Date	02-Feb-11		11-Nov-11		04-Dec-10

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POS = positive; NEG = negative; SC = SeraCare

The Package Insert for this panel in PDF form can be found at [www.seracare.com](http://www.seracare.com)

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