

TABLE 1:
Sensitivity study of HIV-1 viral antigen reactivity with HIV-1 seropositive samples.
(Number of samples = 197)

100% SENSITIVITY OF HIV-1 VIRAL ANTIGEN

SEROLOGICAL PROFILE	HIV BLOT 2.2 NUMBER (%)	DUPONT/ORTHO HIV-1 WB NUMBER (%)
GAG, POL and ENV	192 (97.5%)	188 (95.4%)
p24, p31, gp41, and/or gp120 / gp160	187 (94.9%)	179 (90.9%)
ENV and GAG or POL	197 (100%)	197 (100%)

TABLE 2:
Specificity study of HIV-1 viral antigen reactivity with normal donor samples and sera with other viral infections.

HIGH SPECIFICITY OF HIV-1 VIRAL ANTIGEN

SAMPLE TYPE	NUMBER TESTED	POSITIVE	HIV-1 REACTIVITY	
			INDETERMINATE*	NEGATIVE
Normal Donors	208	0	11	197
HTLV-1	5	0	0	5
CMV	5	0	1	4
EBV (IgM)	5	0	1	4
Varicella zoster (IgG)	5	0	1	4
Measles	6	0	2	4
Rubella	5	0	1	4
Mumps	4	0	1	3
Adenovirus	5	0	2	3
HSV	5	0	0	5
Dengue	5	0	1	4
Total	258	0	21	237

*All showed as a p21 or p17 band only.

TABLE 3:
Sensitivity study of HIV-2 peptide band with HIV-2 seropositive samples.
(Number of samples = 178)

HIGH SENSITIVITY FOR HIV-2 INFECTION DETECTION

HIV-2 WESTERN BLOT SEROLOGICAL PROFILE*	HIV-2 PEPTIDE REACTIVITY	
	POSITIVE	NEGATIVE
GAG, POL and 2 ENV	160	0
GAG, POL and 1 ENV	18	0

*Sera defined as positive by results of Pasteur New LAV Blot 2.

Data provided by Dr. Oliviero E. Vamier and Dr. Flavia Lillo, Laboratory of Human Retroviruses, University of Genoa.

TABLE 4:
Specificity study of HIV-2 peptide band with HIV-1 seropositive sera, normal donor samples and sera with other viral infections.

HIGH SPECIFICITY OF HIV-2 PEPTIDE WITH MINIMAL CROSS REACTIVITY TO HIV-1

SAMPLE TYPE	NUMBER TESTED	HIV-2 PEPTIDE REACTIVITY	
		POSITIVE	NEGATIVE
HIV-1 seropositive	197	16*	181
Normal Donors	208	0	208
HTLV-1 seropositive	5	0	5
CMV	5	0	5
EBV (IgM)	5	0	5
Varicella zoster (IgG)	5	0	5
Measles	6	0	6
Rubella	5	0	5
Mumps	4	0	4
Adenovirus	5	0	5
HSV	5	0	5
Dengue	5	0	5
Total	455	16	439

*When tested on the HIV-2 Western Blot, 6 of these samples had reactivity with ENV and GAG or POL, and 9 of these samples had reactivity to only GAG and/or POL while 1 sample was negative.

A total of 15 commercial HIV-1 seroconversion panels were tested and results shows that the HIV Blot 2.2 was able to detect antibody to HIV earlier or in the same sample in all the panels, when compared to other similar tests.
(Panels used: BBI PRB903, PRB904, PRB909, PRB912, PRB916, PRB917, PRB918, PRB919, PRB921, PRB923, PRB924, PRB927, PRB928, PRB932, PRB940)

ORDER INFORMATION

Cat. No.	Pack Size
11030 - 018	18 Strips
11030 - 036	36 Strips

HIV Blot 2.2 is for Research Use Only in the United States

Order your HIV Blot 2.2 today! enquiry_ap@mpbio.com

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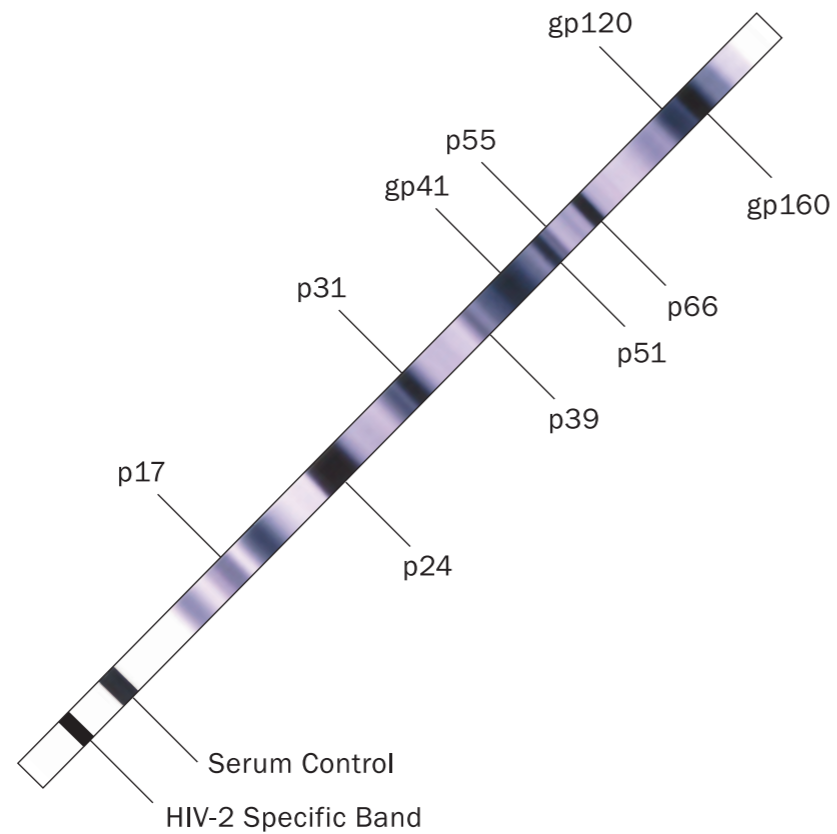
HIV BLOT 2.2
IMMUNOBLOT

**GOLD STANDARD FOR HIV-1
AND HIV-2 DETECTION**



HIV Blot 2.2 is an immunoblot for the in-vitro detection of antibodies to HIV in human serum or plasma sample. It is intended as a more specific confirmation test for specimens found repeatedly reactive using a screening procedure.

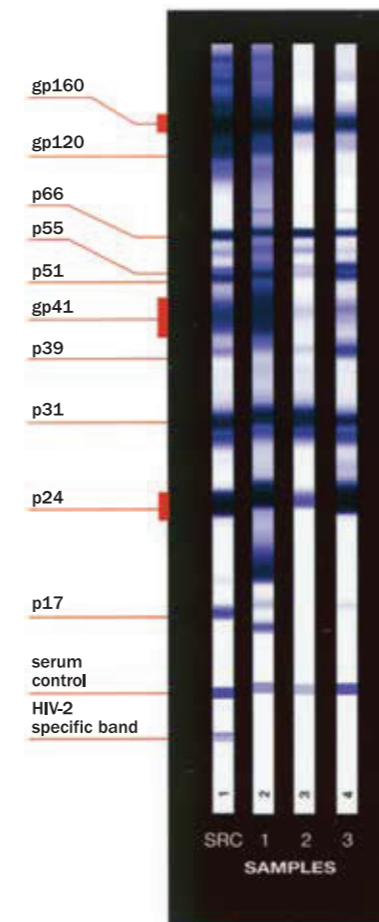
SEROCONVERSION SAMPLES



- Contains purified HIV-1 viral lysate proteins for HIV-1 confirmation
- Increases detection of early infection (seroconversion panels)
- Provides detection of HIV-2 antibodies on the same strip using HIV-2 specific peptide band
- Allows detection of HIV-1 Subtype O
- Includes an anti-IgG control band as a sample addition control and procedural control

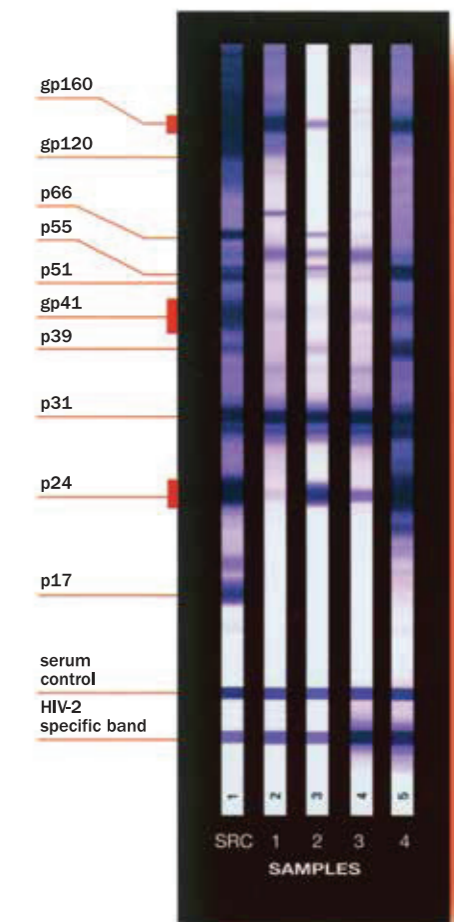
HIV Blot 2.2 allows one to stage disease progression by monitoring development of antibodies to HIV-1 markers in samples collected at different times.

HIV-1 SUBTYPE O



HIV-1 Subtype O profiles are quite variable and often appear to be similar to those seen with HIV-1 populations. However, some Subtype O sera express a profile where the gp160 band is significantly weaker than either the p24 or p31 bands. Additionally, gp41 antibodies are detected frequently in Subtype O positive sera, unlike results obtained with HIV-2 cross reactive populations.

HIV-2 CROSS REACTIVITY



Typical cross reactive profiles of an HIV-2 serum on the HIV-1 western blot demonstrate reactivity to at least GAG and/or POL antigens. However, it is common to find reactivity with all of the HIV-1 specific bands EXCEPT gp41. The absence of gp41 reactivity in the presence of reactivity with gp160 and gp120 and other antigens, p24, p31 and p66 is indicative of HIV-2. HIV Blot 2.2 includes an HIV-2 specific peptide band; positive reaction of a sample with this band is indicative of HIV-2 infection.