

# A New Horizon in HIV Testing...

## HIV 1&2 WESTERN BLOT

Western Blot Assay for the detection of HIV Antibodies in Human Serum/ Plasma  
(Confirmatory Test for detection of antibodies to HIV-1 and indicative for HIV-2 antibodies)



### FEATURES:

- ✓ Confirmatory test for detection of Antibodies to HIV-1 & indicative for HIV-2 antibodies
- ✓ **100%** Sensitivity & **100%** Specificity
- ✓ Simple & user friendly test procedure
- ✓ Easy Interpretation of results through clear test bands & band monitor scale
- ✓ Individual test run possible, separate disposable trays for each strip provided
- ✓ Shelf Life: 15 months at 2-8°C
- ✓ Convenient pack size : 5 Tests & 25 Tests



ISO 13485:2016  
ICMED 13485

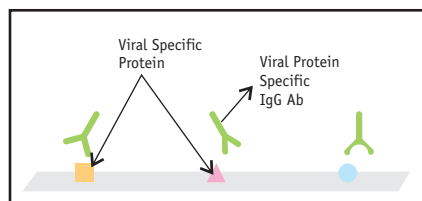


ISO 9001:2015

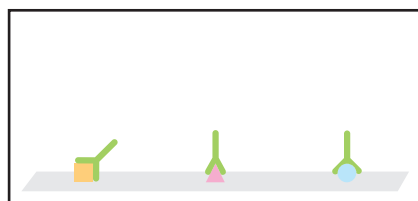
WHO GMP  
CERTIFIED

## ...GOLD STANDARD FOR HIV TESTING

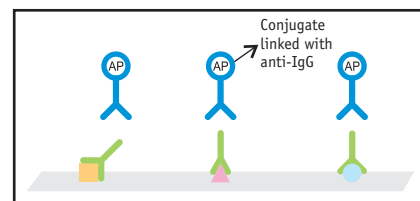
## Test Principle



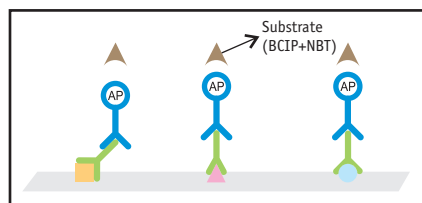
HIV Western Blot strip loaded with HIV antigens



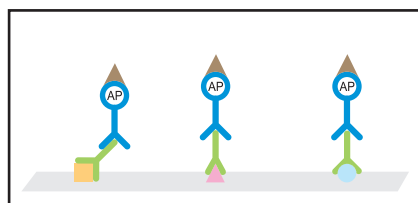
Binding of IgG antibodies specific for viral antigen



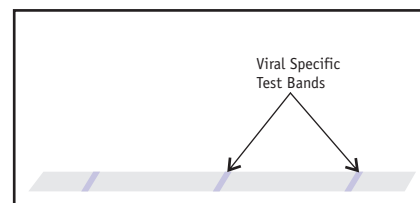
Binding of enzyme conjugate (Alkaline Phosphatase) linked with anti-IgG antibodies



Binding of Substrate with conjugate



Appearance of positive bands



Interpretation of Results based on positive test bands on the test strip

## Test Procedure

Strip+2 ml working wash buffer per strip

Incubate for 5 min. on Rotary Shaker & Aspirate wash buffer

Strip+2 ml of working diluent buffer per strip+20µl serum/plasma per strip

**Incubate for 1 hr./Overnight (16-20 hrs.) on Rotary Shaker**

Wash 3 times with 2 ml working wash buffer per strip for 5 min. each on Rotary Shaker

Add 2 ml of working conjugate per strip

Incubate for 1 hour on Rotary Shaker

Wash 4 times with 2 ml working wash buffer per strip for 5 min. each on Rotary Shaker

Add 2 ml ready to use substrate per strip. Incubate for 0.5 min. to 20 min.

Wash the strip with distilled water & **Interpret Results**

## Performance Characteristics

- 250 coded sera originating from five different National Hospitals/Institutes (National Institute of Communicable Diseases, New Delhi; PGIMER, Chandigarh; Christian Medical College, Vellore, National AIDS Research Institute, Pune and National Institute of Cholera and Enteric Diseases, Kolkata) were sent by Dept. of Biotechnology (DBT), Govt. of India, New Delhi for their analysis.

Total samples received from different Hospitals/Institutes were evaluated at Cancer Research Institute, Mumbai. Results were compared with those obtained by the source institutes and the sensitivity & specificity were evaluated. The results showed: **100% sensitivity & 100% specificity.**

- As per the evaluation report from Indian Journal of Medical Microbiology (IJMM) (2002) 20 (4):200-205. The results showed:

**100% sensitivity & 100% specificity**

*This information on evaluation is provided for Scientific Community Enquiring for an independent evaluation other than company's in house evaluation. It is not for Commercial or promotional purpose.*

Also Connect with us on:



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