Microlisa-HIV

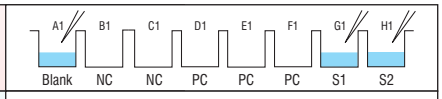
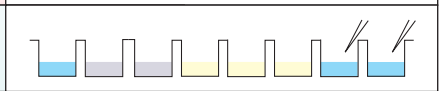
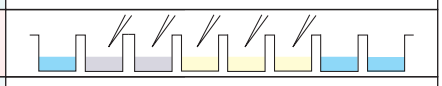
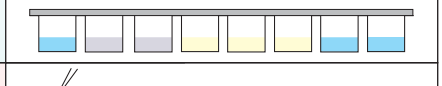
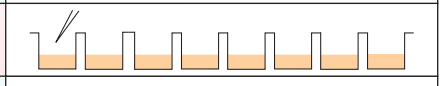
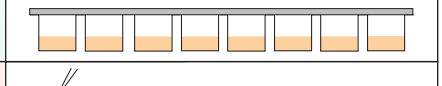
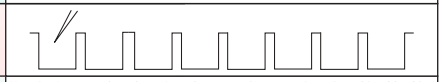
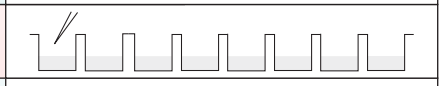
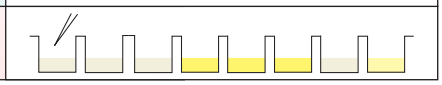
Microwell ELISA Test for the Detection of Antibodies to HIV-1
(Including Group O & Subtype C) and HIV-2 in Human Serum/ Plasma

- Carefully selected & purified Antigens for HIV-1: gp41, C-terminus of gp120; for HIV-2: gp36 representing the immunodominant regions of the virus genome are coated on microwells and ensures an early and specific detection of infection
- Assay Incubation Time: 90 minutes
- Clear Demarcation between Positive and Negative Samples
- Breakaway Microwell Strips
- Colour coded reagent bottles and reagents
- Simple calculation for determining cut-off value
- Easily automated with ELISA Reader & Washer
- Excellent Sensitivity & Specificity
- Longer Shelf Life: 24 months at 2-8°C

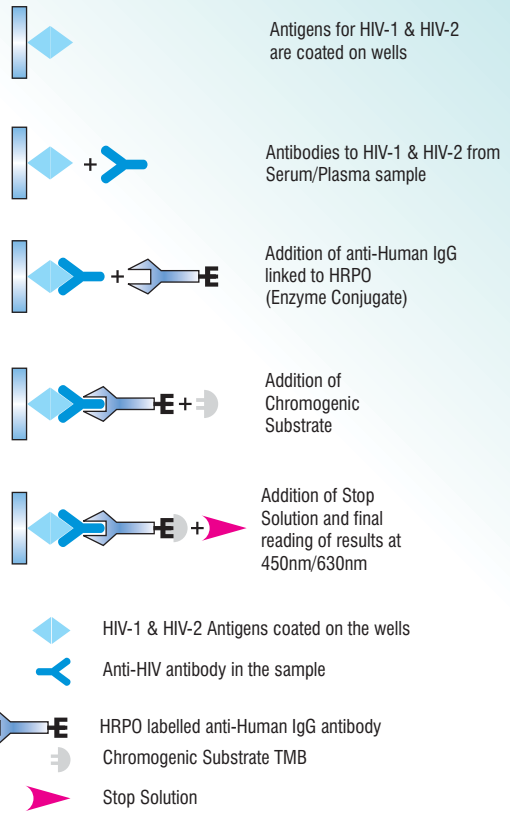
HIV-1 & 2, GROUP O & SUBTYPE C
TMB
MICROLISA-HIV
DETECTS

.....Sensitivity & Specificity at its best.

TEST PROCEDURE

Add 100 µl Sample Diluent in each well except B1, C1, D1, E1 & F1 well.	
Leave A1 as blank. Add 10 µl sample to respective wells (S1 & S2) starting from G1 well. Mix 4-5 times.	
Add 100 µl NC To B1, C1 and PC to D1, E1 & F1.	
Cover the plate and incubate for 30 min. at 37ºC	
Wash (5 cycles)	
Prepare working conjugate solution (100X)	No. of strip 1 2 3 4 5 6 7 8 9 10 11 12 Enzume conjugate 10 20 30 40 50 60 70 80 90 100 110 120 Concentrate (µl). Conjugate 1 2 3 4 5 6 7 8 9 10 11 12 Diluent(ml).
Add 100 µl working conjugate in each well	
Cover the plate and incubate for 30 min. at 37ºC	
Wash (5 cycles)	
Prepare working substrate solution (1:1)	No. of strip 1 2 3 4 5 6 7 8 9 10 11 12 TMB 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 Substrate (ml). TMB 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 Diluent(ml).
Add 100 µl working substrate	
Incubate in dark for 30 min at room temperature	
Add 100 µl Stop Solution and read result at 450 nm/630 nm	

PRINCIPLE



PERFORMANCE CHARACTERISTICS

- **WHO EVALUATION:** As per evaluation report dated 20th February, 1998 of WHO Collaborating Centre, Institute Voor Tropische Geneeskunde Nationalestraat 155-B 2000 Antwerpen, Belgium. Seven HIV- O sera were used in the reference panel all of which were tested positive by Microlisa-HIV. Microlisa-HIV was also tested on low performance and mixed panel from Boston Biomedica Inc. and the obtained results were found identical with western Blot provided by BBI for the above panel. The specificity and sensitivity in this evaluation was found to be 100% on world wide panel.

- Evaluation Reports of **National HIV Reference Laboratories**, Government of India **(CMC Vellore)**, Drug Controller General (India), Directorate General of Health Services, Government of India, New Delhi (Letter dated 08 May, 1997). The Sensitivity and Specificity were found to be 100% and 99.5%.

- **Indian Journal of Medical Microbiology**, claims 100% Sensitivity and 100% Specificity of MICROLISA HIV.

- **NICD-DELHI:** As per evaluation at National Institute of Communicable Diseases(NICD) with 265 known samples the overall Sensitivity & Specificity was 100% & 99.23 % .

- Department of Microbiology, **Nizam's Institute of Medical Sciences** claimed the Sensitivity, Specificity and Efficiency to be 100%.

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