



A rapid immunochromatographic test to detect specific IgG4 antibodies against lymphatic filarial parasites (*Brugia* and *Wuchereria*)

FEATURES

- Rapid
- Simple, easy and convenient
- Small amount of specimen needed

BENEFITS

- Results in 15 minutes
- No special equipment is needed
- Results are easy to interpret
- Blood, serum or plasma can be used as sample
- Sample collected any time of the day can be used
- No sample preparation
- Small volume (25 µl) of sample used
- 95% sensitivity
- 100% Specificity

PERFORMANCE CHARACTERISTICS

Method	: Immunochromatography
Detection	: Human IgG4 against a specific <i>B. malayi</i> and <i>W. bancrofti</i> recombinant proteins
Specimen	: Serum, plasma and whole blood
Specimen volume	: 25 µl (serum/plasma); 35 µl (whole blood)
Shelf life	: 18 months
Assay time	: 15 minutes

APPLICATION

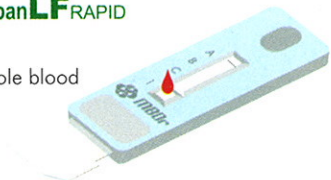
For detection of individuals with lymphatic filariasis including mapping of population in areas with the disease.

ORDERING INFORMATION

MBDr/LF01/25T

PROCEDURE FOR panLF^{RAPID}

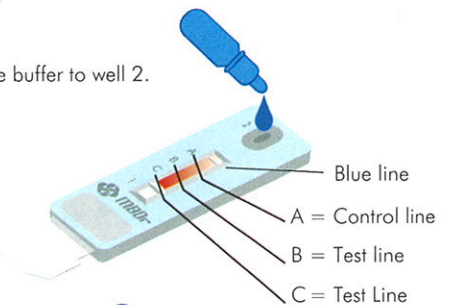
- i
Add serum/plasma/whole blood



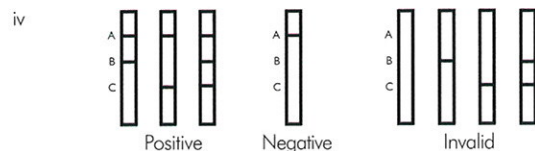
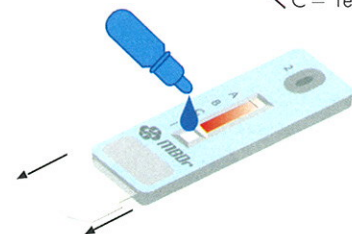
For serum/plasma sample:
Add 25 µl sample (serum/plasma) to square well. Sample will start wicking up the membrane. Wait till the wet sample front reaches the blue line.

For whole blood sample:
Add 35 µl sample to square well followed by 1 drop of chase buffer to the same well. Sample will start wicking up the membrane. Wait till the wet sample front reaches the blue line.

- ii
Add 2 drops of chase buffer to well 2.



- iii
Pull clear tab until resistance is felt.
Add 1 drop of chase buffer to square well. Start timing 15 minutes.



INTERPRETATION OF RESULTS

1. **Positive** for either or/and *Wuchereria bancrofti*, *Brugia malayi* and *Brugia timori* specific antibodies if coloured bands appear at the Control line (A) and Test line(s) at B, C or both B & C as shown in the diagram above. Any intensity of band should be considered as positive.
2. **Negative** for *Wuchereria bancrofti*, *Brugia malayi* and *Brugia timori* specific antibodies if only the Control line (A) is visible through the viewing window.
3. **Invalid** if the Control line (A) is absent. If this occurs, the assay should be repeated using a new test cassette.