

BRUGIA_{RAPID}



A rapid immunochromatographic test to detect specific IgG4 antibodies against *Brugia* filarial parasites.

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 of sample used: 25 μ l (serum/plasma), 35 μ l (whole blood)
- 97.5% - 100% sensitivity
- 99-100% specificity

PERFORMANCE CHARACTERISTICS

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

APPLICATION

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

ORDERING INFORMATION

MBDr/B01/25T

PROCEDURE FOR BRUGIA_{RAPID}

- i
Add serum / plasma / whole blood



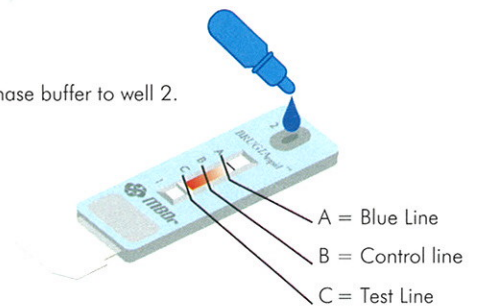
For serum / plasma sample:

Add 25 μ l sample to square well. Sample will start wicking up the membrane. Wait till the wet sample front reaches the blue line.

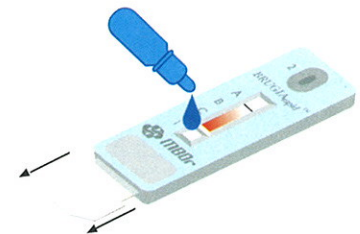
For whole blood sample:

Add 35 μ l 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



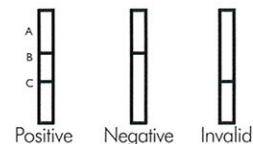
Pull clear tab until resistance is felt.

Add 1 drop of chase buffer to square well. Start timing.

For serum / plasma sample : Read results within 15 minutes.

For whole blood sample : Read results within 20 minutes.

- iv



INTERPRETATION OF RESULTS

1. Positive for *Brugia* specific antibodies if coloured bands appear at the test line (C) and control line(B). Any intensity of band should be considered as a positive.
2. Negative for *Brugia* specific antibodies if only the control line (B) is visible through the viewing windows.
3. Invalid if the Control line (B) is absent. If this occurs, the assay should be repeated using a new test cassette.