For the semi-quantitative detection of *Cryptococcus sp.* antigens in whole blood, serum, plasma and CSF

- **Quick**
  - Easy manipulation in only 2 steps
  - Semi-quantitative result within 10 minutes
  - Titration procedure available

- **Clinical studies**
  - Evaluated by the NRC for Invasive Mycoses and Antifungals (Pasteur Institute, Paris) *
  - Evaluated by the Department of Clinical Microbiology and Infectious Diseases at the University of the Witwatersrand (Johannesburg), Sriruttan C et al., ECCMID, 2016

- **Traceability**
  - Compatibility with Biosynex® Reader for results recording
  - Positive and negative controls included
THE SOLUTION

Cryptococcosis is an opportunistic and cosmopolitan disease caused by *Cryptococcus neoformans*. Infection occurs most often in childhood and by inhalation of spores. Cryptococcosis is the second leading cause of death in immunocompromised patients (HIV, transplants). The most common clinical expression of the disease is meningoencephalitis. There are approximately 1 million new cases each year worldwide including 625,000 deaths from cryptococcal meningitis (source: CDC). The vast majority of cases occur in Sub-Saharan Africa (> 70%), followed by Asia.

**BIOSYNEX® CryptoPS** is a rapid immunochromatographic test for the semi-quantitative detection and titration of *Cryptococcus sp.* capsular antigens in serum, plasma, whole blood and CFS to guide the diagnosis of cryptococcal infections, especially in cases of meningitis.

**Procedure for semi-quantitative detection**

1. **Transfer** 20 µL of sample (whole blood / serum / plasma / CSF) into the well of the test cassette.
2. **Add** 3 drops of diluent.
3. **Read** the result at 10 minutes, visually or using the Biosynex® Reader.

**Results**

- **Positive**
  - T1 line appears at 25 ng/mL capsular antigen
  - T2 line appears at 2.5 µg/mL capsular antigen

- **Negative**
  - C
  - T2
  - T1

**Performances**

- **Specificity**: 100%
- **Sensitivity**: 95%

**Kit content**

- 20 test cassettes
- 20 pipettes (20 µL)
- 1 dropper bottle of diluent
- 1 bottle of diluent for the titration procedure
- 1 bottle of positive control
- Barcode card for test lot identification when using BIOSYNEX® Reader

**Biosynex® Reader**

- Automated reading of the results
- Storage of the results
- Printer, barcode reader and adhesive paper
- LIS connectivity

**Product references**

- Ref. 1120001 - BIOSYNEX CryptoPS - 20 tests
- Opticon Gesellschaft für optische Technologien (GERMANY)
- Ref. 5060001 - Biosynex® Reader - 1 reader

**Bibliography**