

BIOSYNEX AMPLIFLASH MALARIA

PARASITOLOGY



Rapid malaria screening by
molecular biology



Combined and differential detection by isothermal amplification

- Pf: *Plasmodium falciparum* specific gene
- PAN: gene common to all 5 *plasmodium* human pathogenic species

From sample to result in 30 minutes

- Direct work on a small whole blood quantity (5µL) using the BIOSYNEX Blood Lysis kit
- A positive result may appear as early as 3 minutes of amplification
- Connected solution for complete traceability (patient, results, operator)

High performance

- Evaluated by the French Reference Center for Malaria
- Compliant with the recommendations of the French Health Authority (results < 2h)

BIOSYNEX AMPLIFLASH MALARIA

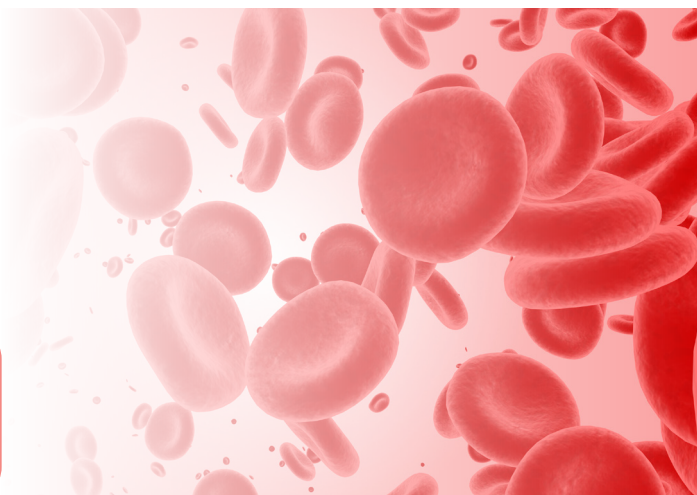
249 million cases in 2022 in the world

More than **600,000 deaths**, most of them are **children <5 years**

WHO recommends **rapid diagnosis in less than 2 hours** for **early treatment**

Diagnosis : blood smear, thick drop, rapid test and **molecular testing**

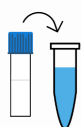
Importance of differentiating *P. falciparum* infection for appropriate care management



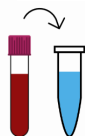
PROCEDURE* (ON EDTA / HEPARIN WHOLE BLOOD)

BIOSYNEX BLOOD LYSIS

1. Add **50µL** of Lysis Buffer into an Eppendorf tube



2. Homogenize the blood tube, draw **5µL** of blood and deposit into the Lysis tube



3. Incubate at room temperature for **3 minutes**

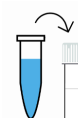


4. Add **50µL** of stabilization buffer

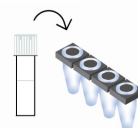


BIOSYNEX AMPLIFLASH MALARIA

5. Add **10 µL** of the lysed sample into the Rehydration Buffer



6. Deposit **25 µL** into each strip well



7. Close the tubes with the included caps strip

8. Gently tap the tubes to homogenize and run analysis

**Simplified procedure. For the detailed procedure, please refer to the unstruction manual.*

KIT CONTENT

BIOSYNEX BLOOD LYSIS Ref. 3150077

- 4 tubes of lysis buffer
- 4 tubes of stabilization buffer

BIOSYNEX AMPLIFLASH MALARIA Ref. 3150053

- 25 pouches containing everything needed for a test (test strip, caps, rehydration buffer)
- 1 positive control tube
- 1 negative control tube

Manufacturer: BIOSYNEX S.A. (France)

In vitro diagnostics medical device.
Read carefully the instructions in the user manuals.

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BIOSYNEX

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