

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 (5 μ L) using the BIOSYNEX Blood Lysis kit
 - A positive result may appear as early as 3 minutes of amplification
- **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

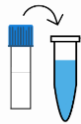
Importance of differentiating *P. falciparum* infection for appropriate care management



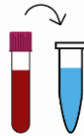
PROCEDURE* (ON EDTA / HEPARIN WHOLE BLOOD)

BIOSYNEX BLOOD LYSIS

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



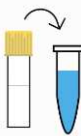
2. Homogenize the blood tube, draw **5µL** of blood and deposit into the Lysis tube



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

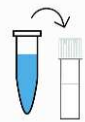


4. Add **50µL** of stabilization buffer



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



6. Deposit **10 µL** into the first 3 wells of the test strip



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 (100 rxn)

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

BIOSYNEX AMPLIFLASH MALARIA Ref. 3150053L (24 rxn)

- 24 pouches containing everything needed for a test (test strip, caps, activation 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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