

SD BIOLINE Malaria Ag P.f (HRP2/pLDH)

Malaria Antigen P.f (HRP2/pLDH) Test

Malaria is a serious and sometimes fatal parasitic disease characterized by fever, chills and anemia. The disease is caused by a parasite that is transmitted from one human to another through the bite of infected *Anopheles* mosquitoes. The disease now occurs in 95 countries worldwide, and it is estimated that there are over 214 million clinical cases and 438,000 malaria-caused deaths in 2015, 95 % of them are African children. The infection with *P. falciparum*, if not promptly treated, may be fatal.



General Information

The SD BIOLINE Malaria Ag P.f (HRP2/pLDH) test is a rapid, qualitative test for the detection of histidine-rich protein II (HRP-II) antigen and lactate dehydrogenase (pLDH) from Malaria *P. falciparum* in human whole blood.

- Reducing the false positive rates after treatment
- Useful for the region where *P.f* HRP2 gene deletion suspected
- WHO prequalified
- Specimen : Whole blood (5 µl)
- Test result : 15 minutes (up to 30 minutes)
- Shelf life and storage temperature: 24 months from the date of manufacturing at 1-40 °C
- Performance:
 - P.f (HRP-II) : Sensitivity-99.7 %, Specificity-99.3 %
 - P.f (pLDH) : Sensitivity-97.4 %, Specificity-99.7 %

Materials Provided

- Test device
- Assay diluent
- Disposable specimen applicator (Capillary Pipette, Inverted cup)
- Option : Lancet, alcohol swab

Test Procedure

1 Add Specimen

Dispense 5 µl of whole blood into the round specimen well.

2 Add Assay Diluent

Dispense 4 drops of assay diluent into the square assay diluent well.

3 Read Results

Wait 15 mins. (up to 30 minutes)

Ordering Information

| Product | Cat. No. | Type | Specimen | Pack Size |
|----------------------------|----------|------------------------------|-------------|----------------|
| Malaria Ag P.f (HRP2/pLDH) | 05FK90 | Device | Whole blood | 25T/Kit |
| Malaria Ag P.f (HRP2/pLDH) | 05FK91 | Device, Safety lancet | Whole blood | 25T/Kit |
| Malaria Ag P.f (HRP2/pLDH) | 05FK92 | Device (POCT), Safety lancet | Whole blood | 1Pack X 25/Kit |
| Malaria Ag P.f (HRP2/pLDH) | 05FK93 | Device (POCT) | Whole blood | 1Pack X 25/Kit |