

# SD BIOLINE Malaria Ag P.f/P.v

## Malaria Antigen P.f/P.v(HRP-II/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

SD BIOLINE Malaria Ag P.f/P.v test is a rapid, qualitative test for the detection of HRP-II (Histidine-rich protein II) specific to *Plasmodium falciparum* and Plasmodium lactate dehydrogenase (pLDH) specific to *Plasmodium vivax*.

- Differential diagnosis between *Plasmodium falciparum* and *Plasmodium vivax*
- Useful for the region where *P.v* and *P.f* are both dominant
- Differentiate *P.f* mono infection from *P.f/P.v* co-infection
- 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-99.5 %
  - P.v (pLDH) : Sensitivity-95.5 %, Specificity-99.5 %

### 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.

Inverted cup    Capillary pipette

#### 2 Add Assay Diluent

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

Assay Diluent

#### 3 Read Results

Wait 15 mins. (up to 30 minutes)

15 mins.

- Negative
- Malaria P.f Positive
- Malaria P.v Positive
- Mixed Infection of P.f and P.v
- Invalid**
- Invalid
- Invalid

### Ordering Information

Product	Cat. No.	Type	Specimen	Pack Size
Malaria Ag P.f/P.v	05FK80	Device	Whole blood	25T/Kit
Malaria Ag P.f/P.v	05FK81	Device, Safety lancet	Whole blood	25T/Kit
Malaria Ag P.f/P.v	05FK82	Device (POCT), Safety lancet	Whole blood	1Pack X 25/Kit
Malaria Ag P.f/P.v	05FK83	Device (POCT)	Whole blood	1Pack X 25/Kit
Malaria Ag P.f/P.v	05FK86	Device	Whole blood	10T/Kit

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