

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

Malaria Antigen P.f(HRP-II/pLDH) & P.v (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.f/P.v test is rapid, qualitative and differential test for the detection of HRP-II and pLDH from *P. falciparum* and pLDH from *P. vivax* in human whole blood.

- Useful for the region where *P.v* and *P.f* are both dominant
- Identify false positive by *P.f* HRP-II after treatment
- Useful for the region where *P.f* HRP2 gene deletion suspected
- 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-99.3 %
 - P.f (pLDH) : Sensitivity-97.4 %, Specificity-99.3 %
 - P.v (pLDH) : Sensitivity-95.5 %, Specificity-99.3 %

Materials Provided

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

Test Procedure

1 Add Specimen

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

Inverted cup

2 Add Assay Diluent

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

Assay Diluent

3 Read Results

Wait 15mins. (up to 30 minutes)

Read Results

Negative: C T3 T2 T1 (C: red line, T3: red line, T2: no line, T1: no line)

P.v Positive: C T3 T2 T1 (C: red line, T3: red line, T2: red line, T1: no line)

P.f Positive: C T3 T2 T1 (C: red line, T3: red line, T2: red line, T1: red line)

P.f and P.v Positive: C T3 T2 T1 (C: red line, T3: red line, T2: red line, T1: red line)

Invalid: C T3 T2 T1 (C: red line, T3: no line, T2: no line, T1: no line)

Ordering Information

Product	Cat. No.	Type	Specimen	Pack Size
Malaria Ag P.f/P.f/P.v	05FK120	Device	Whole blood	25T/Kit
Malaria Ag P.f/P.f/P.v	05FK121	Device, Safety lancet	Whole blood	25T/Kit
Malaria Ag P.f/P.f/P.v	05FK122	Device (POCT), Safety lancet	Whole blood	1Pack X 25/kit
Malaria Ag P.f/P.f/P.v	05FK123	Device (POCT)	Whole blood	1Pack X 25/kit