

Whole Blood Malaria Pf/Pan Rapid Test Device Cassette Formats

Our Product Introduction

for more products please visit us on oxygenconcentratormedical.com

Basic Information

- Place of Origin: China
- Brand Name: DVOT
- Certification: CE/BfArM/ PEI
- Model Number: Malaria Pf/Pan Rapid Test
- Minimum Order Quantity: 1250Test
- Price: 0.17~0.23USD per Test
- Packaging Details: Each boxes 25tests
- Delivery Time: 5-8 Working days
- Payment Terms: T/T, Western Union
- Supply Ability: 1000000pcs



Product Specification

- Product Name: Malaria Pf/Pan Rapid Test
- Formats: Cassette
- Reaction Time: 10-15 Minutes
- Shelf Life: 24 Months At Room Temperature 4- 30 Degrees
- Others: The Kits Can Be Made According To The Customers' Artwork Or Design
- Time Of Use: Disposable
- Highlight: **Whole Blood Malaria Pf/Pan Rapid Test ,
Malaria Pf/Pan Rapid Test Cassette**

Product Description

Rapid And Efficient Detection Reagent For Malaria Pf/Pan

The Malaria Pf/Pan Rapid Test Device is a rapid chromatographic immunoassay for the qualitative detection of circulating antigens of *Plasmodium falciparum*, *Plasmodium vivax*, *Plasmodium ovale*, *Plasmodium malariae* in whole blood.

Detection Principle

The Malaria Pf/Pan Rapid Test Device (Whole Blood) is a qualitative, membrane based immunoassay for the detection of P.f, P.v, P.o and P.m antigens in whole blood. The membrane is pre-coated with anti-HRP-II antibodies and anti-Lactate Dehydrogenase antibodies. During testing, the whole blood specimen reacts with the dye conjugate, which has been pre-coated on the test strip. The mixture then migrates upward on the membrane by capillary action, reacts with anti-Histidine-Rich Protein II (HRP-II) antibodies on the membrane on P.f Test Line region and with anti-Lactate Dehydrogenase antibodies on the membrane on Pan Line region. If the specimen contains HRP-II or Plasmodium-specific Lactate Dehydrogenase or both, a colored line will appear in P.f line region or Pan line region or two colored lines will appear in P.f line region and Pan line region. The absence of the colored lines in P.f line region or Pan line region indicates that the specimen does not contain HRP-II and/or Plasmodium-specific Lactate Dehydrogenase. To serve as a procedure control, a colored line will always appear in the control line region indicating that proper volume of specimen has been added and membrane wicking has occurred.

STORAGE AND STABILITY

The kit can be stored at room temperature or refrigerated (2-30°C). The test device is stable through the expiration date printed on the sealed pouch. The test device must remain in the sealed pouch until use. DO NOT FREEZE. Do not use beyond the expiration date.

PROCEDURE

Allow the test device, specimen, buffer, and/or controls to equilibrate to room temperature (15-30°C) prior to testing.

Remove the test device from the foil pouch and use it as soon as possible. Best results will be obtained if the assay is performed within one hour.

Place the test device on a clean and level surface. Transfer the specimen by a pipette or a dropper:

To use a **Pipette**: Transfer 5ul of whole blood to specimen well of the test device, and then add 3 drops of buffer (approximately 180ul) to the buffer well, and start the timer.

To use a **Disposable Specimen Dropper**: Hold the dropper vertically; draw the specimen up to the Fill Line (approximately 5ul). Transfer the specimen to the specimen well, then add 3 drops of buffer (approximately 180ul) to the buffer well and start the timer.

3. Wait for the colored line(s) to appear. The result should be read at 10 minutes. Do not interpret the result after 20 minutes.

INTERPRETATION OF RESULTS

POSITIVE RESULT:



Non-falciparum Plasmodium species infection: one line appears in the control region and one line appears in Pan line region.



P. falciparum infection: one line appears in the control region, and one line appears in P.f line region.



P. falciparum or mixed malaria infection: one line appears in the control region, one line appears in Pan line region and one line appears in P.f line region.

***NOTE:** The intensity of the color in the test line region(s) (Pan or P.f.) will vary depending on the concentration of Dengue antibodies in the specimen. Therefore, any shade of color in the test line region(s) (Pan and/or P.f.) should be considered positive.

NEGATIVE RESULT:



The colored line in the control line region (C) appears. No line appears in test line regions Pan or P.f.

INVALID RESULT:



Control line (C) fails to appear. Insufficient buffer volume or incorrect procedural techniques are the most likely reasons for control line failure. Review the procedure and repeat the procedure with a new test device. If the problem persists, discontinue using the test kit immediately and contact your local distributor.

***NOTE:** The intensity of the color in the test line region(s) (Pan and/or P.f.) will vary depending on the concentration of Dengue antibodies in the specimen. Therefore, any shade of color in the test line region(s) (Pan and/or P.f.) should be considered positive.

LIMITATIONS OF THE TEST

The Malaria Pf/ Pan Rapid Test Device (Whole Blood) is for in vitro diagnostic use only. This test should be used for the detection of P.f, P.v, P.o, P.m antigens in whole blood specimens only. Neither the quantitative value nor the rate of increase in P.f, P.v, P.o, and P.m concentration can be determined by this qualitative test.

The Malaria Pf/ Pan Rapid Test Device (Whole Blood) will only indicate the presence of antigens of *Plasmodium* sp. (P.f, P.v, P.o, P.m) in the specimen and should not be used as the sole criterion for the diagnosis of malaria infection.

As with all diagnostic tests, all results must be interpreted together with other clinical information available to the physician.

If the test result is negative and clinical symptoms persist, additional testing using other clinical methods is recommended. A negative result does not at any time preclude the possibility of malaria infection.

KIT COMPONENTS

Test Devices
Disposable specimen droppers
Buffer
Package insert

MATERIALS REQUIRED BUT NOT PROVIDED

Pipette and disposable tips (optional)
Specimen collection containers
Lancets (for fingerstick whole blood only)
Timer



Shenzhen Emeng Health Technology Co., LTD



+86 13760822077



kaylayi0612@foxmail.com



oxygenconcentratormedical.com

Room D, 7th Floor, Guang Long Building, 162 Ping Xin North Road, PingHu Street, LongGang District,
ShenZhen