

WONDFO BIOTECH
WeAreWorkingForYourHealth

Wondfo

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Wondfo Malaria P.f (HRP2/pLDH) Test



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Malaria remains one of the most serious tropical diseases in many regions of the world, mainly occurring in tropical and subtropical areas. It is estimated to affect more than 200 million people worldwide and cause more than 400,000 deaths every year.

INTENDED USE

Rapid diagnostic assay for the qualitative detection of P.falciparum specific histidine rich protein-2 (P.f HRP2) and P.falciparum specific pLDH (P.f pLDH) in human venous whole blood and fingerstick whole blood.

- ◆ **Flexible Specimen Type**
Venous whole blood and fingerstick whole blood.

◆ **Easy-to-use**
Interpret result in 15 minutes
- ◆ **Stable Storage**
At 1-40°C for 24 months

DETECTION

P.f HRP2 Histidine rich protein-2

A unique water-soluble biomarker secreted by Plasmodium falciparum.

P.f pLDH Plasmodium lactate dehydrogenase

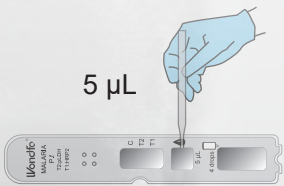
In contrast to P.f HRP2, pLDH does not persist in blood after clearance of malaria infections and is therefore a better marker of acute and current infection.



PRODUCT PERFORMANCE

Place of Evaluation	Reference method	Wondfo Malaria P.f (HRP2/pLDH) Test			
		Positive	Negative	Total	Test Result (95% CI)
Cote d'Ivoire	P.f Positive	183	0	183	Sensitivity:100.00% (97.94~100.00%)
	P.f Negative	3	354	357	Specificity:99.16% (97.56~99.71%)
Rwanda	P.f Positive	175	0	175	Sensitivity:100.00% (97.85~100.00%)
	P.f Negative	0	364	364	Specificity:100.00% (98.96~100.00%)
Cameroon	P.f Positive	133	0	133	Sensitivity:100.00% (97.19~100.00%)
	P.f Negative	1	375	376	Specificity:99.73% (98.51~99.95%)

OPERATION PROCESS



1. Take 5µL of fingerstick whole blood and drop it into the center of the specimen well vertically.



2. Add 4 drops (about 100µL) of buffer immediately into the buffer well vertically, and set up a timer.



3. Read the result after 15 minutes, but not more than 30 minutes.

PRODUCT CODE

25 Test	40 Test	100 Test
W037P0022 (0.3mL/vial)	W037P0024 (0.3mL/vial)	
W037P0028 (5mL/bottle +Sterile lancet)	W037P0033 (5mL/bottle +Sterile lancet)	W037P0037 (5mL/bottle +Sterile lancet)
W037P0030 (5mL/bottle +Blood lancet for single use)	W037P0035 (5mL/bottle +Blood lancet for single use)	