

Malaria TEST



Malaria is a severe mosquito-borne disease caused by 5 species of parasites of the *Plasmodium* genus (*P. vivax*, *P. falciparum*, *P. malariae*, *P. ovale*, and *P. knowlesi*), *Plasmodium falciparum* infection is the one most associated with severe Malaria and can even lead to death. Malaria is characterized by high fevers, shaking chills, and flu-like illness. Early diagnosis is crucial for treatment and controlling the infection's spread in the community.

Malaria is treatable and curable if diagnosed quickly and treated appropriately, and delay in diagnosis and treatment is a leading cause of death in malaria patients

The five *Plasmodium* species share a 'Pan-*Plasmodium*' enzyme called aldolase that is commonly investigated to confirm a malaria infection in lateral flow immunoassays. In the case of *P.falciparum*, the histidine-rich protein II (HRP-II) is widely present in *P.falciparum* infections and can be also detected in the blood during the infection.

INTENDED USE

Turklab's Malaria Test is a rapid chromatographic immunoassay for the qualitative detection of Malaria as well as distinguishing the causing parasite species by detecting pan-*Plasmodium* aldolase antigen and *P.falciparum* specific HRP-II antigen in whole blood.

- Verified no cross reactivity with with HAMA, RF, HBsAg, HBsAb, HBeAg, HBeAb, HBcAb, Syphilis, HIV, HCV, H. Pylori, MONO, CMV, Rubella and TOXO positive controls.
- Wide range of samples can be used, plasma, serum, capillary blood, or venous blood.
- Only a small volume of sample (5 ul) is needed.

PERFORMANCE EVALUATION

For Pan:

- Sensitivity: 99,9%
- Specificity: 99,9%

For P.f:

- Sensitivity: 99,9%
- Specificity: 99,1%



PRODUCT	TEST TYPE	SAMPLE TYPE	READING TIME	KIT SIZE	KIT COMPONENTS
MALARIA	CASSETTE	WB/S/P	10 Min.	40	Test cassette + Pipette + Diluent + Instructions For Use