



OptiMAL-IT

Malaria Diagnosis, Anywhere

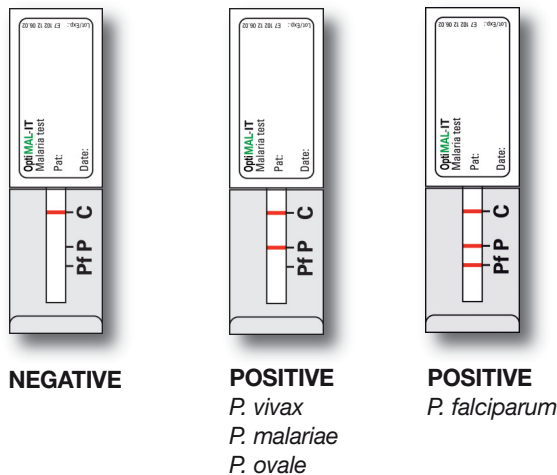


OptiMAL-IT, a Reference Tool for Malaria Diagnosis and Therapy Control

Despite eradication programs, malaria remains the most important tropical disease in the world, affecting hundred millions of humans, and being responsible of hundred thousands of deaths each year. Prompt and accurate diagnosis followed by effective treatment is essential for malaria control strategy. This can avoid over-use of anti-malarial treatment and therefore delay the development of resistance, but also can reduce the risk of adverse drug reactions due to unnecessary treatment and increase correct treatment for pathologies other than malaria. Rapid Diagnostic Tests (RDTs) form a vital part of this strategy, providing the possibility of parasite-based diagnosis in area where the gold standard microscopy method cannot be maintained.

- **OptiMAL-IT** is a reference immuno-chromatographic RDT based on *Plasmodium* LDH (pLDH) antigen detection for diagnosis and therapy control of infection by *Plasmodium* species. Anti-pLDH monoclonal antibodies used in the test allow **differentiating *Plasmodium falciparum* and non-*Plasmodium falciparum* infections.**
- **OptiMAL-IT** is adapted for monitoring anti-malarial treatment. pLDH is a metabolic enzyme secreted by viable parasites only and rapidly cleared from blood stream. Its measurement reflects **treatment efficacy.**
- **OptiMAL-IT** is individually packed and includes all components required for whole blood sampling and test processing. The test can be performed in **any field situation** and after a **short educational training period.**
- **OptiMAL-IT** results are obtained in **20 minutes** with **high specificity** and **sensitivity performance** and **good correlation with microscopy.**

Result Interpretation (see Product Insert)



Bibliography

- Non-microscopic method for malaria diagnosis using OptiMAL-IT, a second-generation dipstick for malaria pLDH antigen detection. Moody A. H. and *al*, British J. Biomed. Sciences, 2002.
- Performance of OptiMAL-IT compared to microscopy for malaria detection in Burkina-Faso. Valéa I. and *al*, Trop. Med. Intern. Health, 2009.
- PfHRP2 and PfLDH antigen for monitoring the efficacy of artemisinin-based combination (ACT) in the treatment of uncomplicated falciparum malaria. Houzé S. and *al*, Malaria J., 2009.
- Evaluation of three parasite lactate dehydrogenase-based rapid diagnostic tests for the diagnosis of *falciparum* and *vivax* malaria. Ashley E. A. and *al*, Malaria J., 2009.
- Evaluation of rapid diagnostic tests for malaria case management in Gabon. Mawili-Mboumba D.P. and *al*, Diag. Microbiol. Infect. Dis., 2010.

Ordering Information

Catalog No.	Description	
710024	OptiMAL-IT Individual Rapid Malaria.....	24 tests/kit
710011	OptiMAL-IT Positive Control.....	8 tests/kit



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