

BIOCARD™ Malaria

A rapid, simple and reliable immunochromatographic test for the qualitative detection of Malaria antigen from whole blood samples.

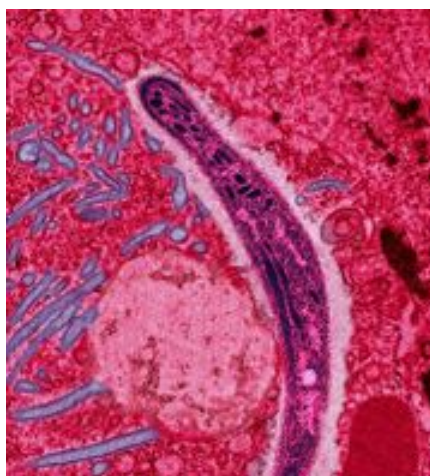
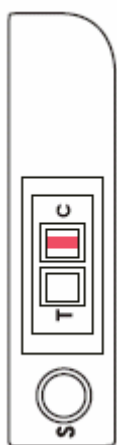
Cat. no. 4-004-030

*Detects accurately Malaria plasmodium falciparum from whole blood samples.

* Easy and quick test procedure, * Sensitivity 99,2 %
result in 5-15 minutes

* Room temperature storage, * Spesificity 96,5 %
shelf life 18 months

* 30 tests per package * Accessories (sampling pipettes,
lancets) included



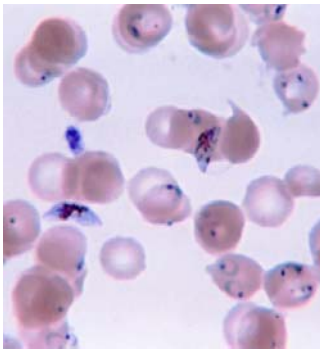
Vantaa, Finland
Tel. +358 - 20 155 7510
Fax. +358 - 20 155 7511
www.anibiotech.fi
E-mail: info@anibiotech.fi

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Malaria is a vector-borne infectious disease that is widespread in tropical and subtropical regions, including parts of the Americas, Asia, and Africa. Each year, it causes disease in approximately 650 million people and kills between one and three million, most of them young children in Sub-Saharan Africa. Malaria is commonly-associated with poverty, but is also a cause of poverty and a major hindrance to economic development.

Malaria is one of the most common infectious diseases and an enormous public-health problem. The disease is caused by protozoan parasites of the genus *Plasmodium*. The most serious forms of the disease are caused by *Plasmodium falciparum* and *Plasmodium vivax*, but other related species (*Plasmodium ovale*, *Plasmodium malariae*, and sometimes *Plasmodium knowlesi*) can also infect humans. This group of human-pathogenic *Plasmodium* species is usually referred to as *malaria parasites*.

Malaria parasites are transmitted by female *Anopheles* mosquitoes. The parasites multiply within red blood cells, causing symptoms that include symptoms of anemia (light headedness, shortness of breath, tachycardia etc.), as well as other general symptoms such as fever, chills, nausea, flu-like illness, and in severe cases, coma and death. Malaria transmission can be reduced by preventing mosquito bites with mosquito nets and insect repellents, or by mosquito control by spraying insecticides inside houses and draining standing water where mosquitoes lay their eggs.



Plasmodium falciparum ring-forms and gametocytes in human blood

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