

# NOW<sup>®</sup> Malaria...

## Per la diagnosi differenziale dell'infezione malarica.

**Binax NOW<sup>®</sup> Malaria**  
è un test rapido, semplice ed accurato per l'identificazione dell'infezione da *P. falciparum* e la sua differenziazione da quella causata da *P. vivax*, *P. ovale* o *P. malariae*.



Kit da 25 test

- 3 semplici passaggi
- 1 solo reagente
- Risultati in 15 minuti

# Prestazioni:

## Published Studies

### 1. Preliminary Evaluation of the Binax NOW® Malaria P.f./P.v. rapid diagnostic device for the detection of *Plasmodium falciparum* and *Plasmodium vivax*.

Am. J. Trop. Med. Hyg. 2001; 65(3 Suppl.):320-1 (Abstract)

Results:

Reference Method: Microscopic examination of stained blood smears

	Total Malaria	Malaria P.f.	Malaria P.v.
<b>Sensitivity</b>	<ul style="list-style-type: none"> <li>93.4% (100/107)</li> <li>Note: 100% with parasitemia &gt;250 pa/μl</li> </ul>	<ul style="list-style-type: none"> <li>100% (31/31)</li> <li>Note: 18 pa/μl lowest level detected</li> </ul>	<ul style="list-style-type: none"> <li>89% (58/65)</li> <li>Note: 5000 pa/μl = 96%</li> <li>1000-5000 pa/μl = 100%</li> <li>500-1000 pa/μl = 71%</li> <li>100-500 pa/μl = 70%</li> <li>0-100 pa/μl = 33%</li> </ul>
<b>Specificity</b>		<ul style="list-style-type: none"> <li>96%</li> </ul>	<ul style="list-style-type: none"> <li>98%</li> </ul>

### 2. Field and Laboratory Comparative Evaluation of Ten Rapid Malaria Diagnostic Tests

Transactions of the Royal Society of Tropical Medicine and Hygiene (2002) 96, 258-265.

Summary of Results:

- Binax NOW® Malaria was ranked the most sensitive test according to 50% detection limits.
- Specificity-100%
- Binax NOW® Malaria had more clearly visible signals, at low parasite densities, as compared to the other rapid tests.
- Of all the products evaluated, the Binax NOW® Malaria test was ranked as the best product all around.

## Unpublished Studies

### 3. Hôpital d'Instruction des Armées Bégin, Paris France

Results:

Reference Method: PCR and Microscopy

	Total Malaria	Malaria P.f.	Malaria P.v.
<b>Sensitivity</b>	<ul style="list-style-type: none"> <li>91.7% (22/24)</li> </ul>	<ul style="list-style-type: none"> <li>95% (21/22)</li> </ul>	<ul style="list-style-type: none"> <li>100% (1/1)</li> </ul>
<b>Specificity</b>	<ul style="list-style-type: none"> <li>100%</li> </ul>		

*P. falciparum* sensitivity versus Microscopy only

	Malaria P.f.
<b>Sensitivity</b>	<ul style="list-style-type: none"> <li>100% (20/20)</li> </ul>
<b>Specificity</b>	<ul style="list-style-type: none"> <li>97%* (31/32)</li> </ul>

\* One sample appears as a false positive-but only against microscopy.  
Sample confirmed positive by PCR.