

## MICROGEN BIOPRODUCTS LTD

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# ONSITE MALARIA RAPID ANTIGEN TEST

- Detects and differentiates infection caused by *Plasmodium falciparum*, *P. vivax*, *P. ovale* and *P. malariae*
- Uses pHRP-II and pLDH as targets.
- Whole blood sample
- Cassette format for ease-of-use.

Protecting Food and Health

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MICROGEN BIOPRODUCTS LTD

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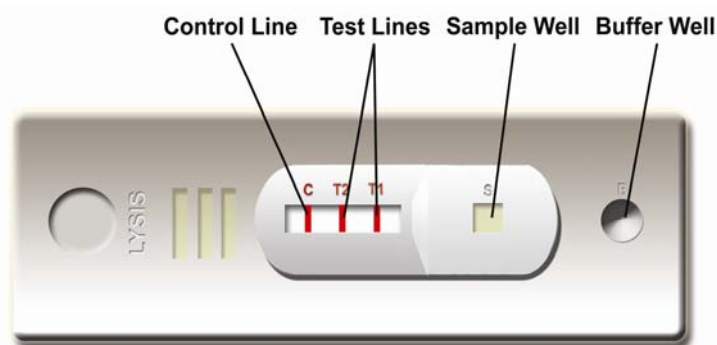
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## OnSite Malaria Rapid Antigen Cassette Test

- 3.2 Billion people live in areas of risk for Malaria infection
- 350—500 million cases of Malaria are seen each year.
- At least 1 million deaths from Malaria infection occur annually.
- The most vulnerable groups are
  - Young children without protective immunity to Malaria
  - Pregnant women with decreased immunity to infection
  - Travellers or migrants lacking immunity to Malaria

Utilising a finger-prick or whole blood specimen, a differential diagnosis is possible within 30 minutes.



During the assay, an adequate volume of the blood specimen is dispensed into the sample well of the test cassette. A lysis buffer is added to the buffer well. The buffer contains a detergent that lyses the red blood cells and releases various plasmodial antigens, which migrate by capillary action across the strip held in the cassette. pHRP-II in the specimen will bind to pHRP-II-gold conjugates. The immunocomplex is captured on the membrane by the pre-coated *anti*-pHRP-II antibodies, forming a burgundy coloured T2 band indicating a Pf positive result. pLDH present in the sample will bind to the pLDH gold conjugates. The immunocomplex is then captured on the membrane by the pre-coated anti-pLDH antibody, forming a burgundy coloured T1 band, indicating a Plasmodium positive test result.

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| <b>Code</b>        | R0113C         |
| <b>Description</b> | OnSite Malaria |
| <b>Storage</b>     | 2 - 30°C       |