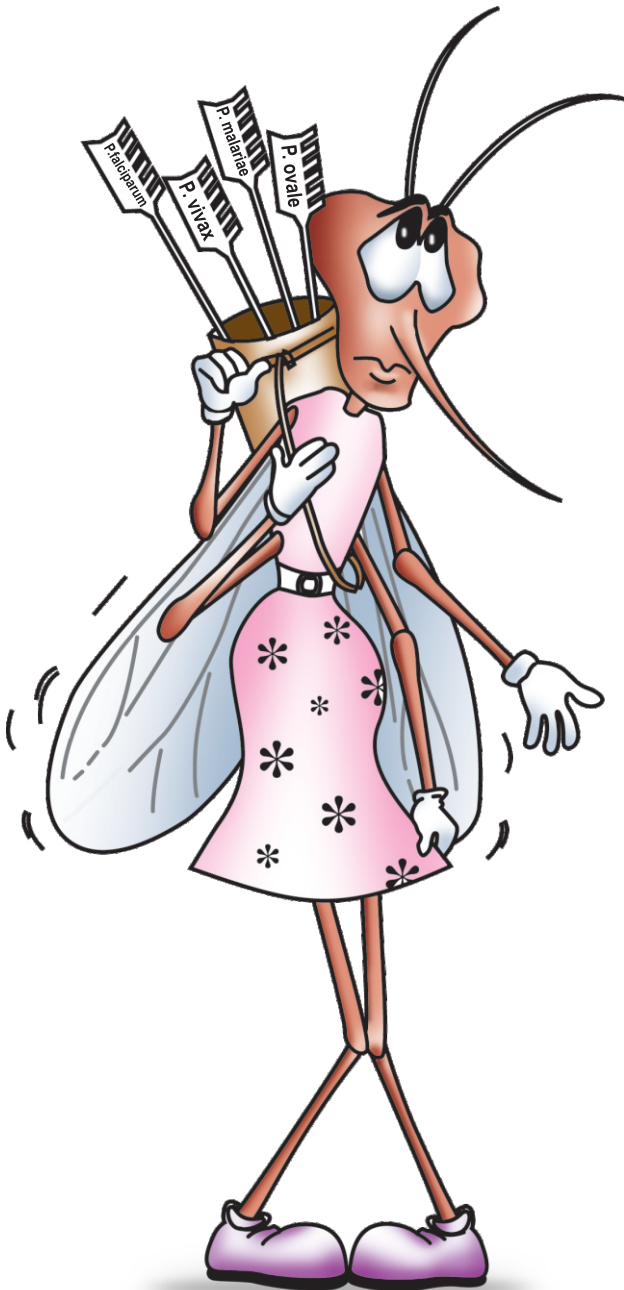




Has The Wheel Turned A Full **CIRCLE?**



*Since hundreds of years
and millions of generations
me and my forefathers have been
feeding on human blood.
Apart from the satiating meals
my favorite pastime has been to shoot
humans with arrows infected with
P. vivax, P. falciparum, P. malariae
and P. ovale globally
And enjoy watch them suffer!*

*My collaboration with my
parasitic friends is endemic in nature.
My achievements include over
300 million malaria cases annually, globally
and above all 30 million deaths!
Not to mention the morbidity and
economic costs to my victims.*

Oh, how I have enjoyed watching people suffer!

*Alas!! All good things come to an end!
With sensitive and specific RDT's available
for the detection of malaria
My enjoyment has been receding globally.
Worse now I believe that with
the launch of second generation
Combo RDT's with still better speciation abilities
my hobby of watching humans suffer
is nearing a sad end.
Let it be known, how much I hate humans,
and their technology
and also their merciless drive
to seek, detect and destroy my small joys...*

*Epilogue
from the Diary of a
female Anopheles spp. Mosquito*

YES It Just Did!...

Introducing

malascan[®]

PLUS

Rapid Test for Malaria Pan/Pf

Combo RDT for *P. falciparum* malaria with indirect speciation of other malarial species



- ✓ Sensitivity and specificity > 98% for *P. falciparum* and other malarial species - detects Pf-HRP 2 and Pan malaria specific pLDH antigen.
- ✓ Speciation through Pan band, in *falciparum* negative but other malaria positive cases, is based on the context of epidemiology- Pan specific pLDH band enables sensitive detection of all malarial species; *P. falciparum*, *P. vivax*, *P. ovale* & *P. malariae*.
- ✓ Test results are interference protected from Heterophile antibodies- Malascan Plus employs Heterophile Binding Reagent (HBR).
- ✓ Well suited for field conditions, on-site diagnosis, pathological labs and reference labs, alike - uses whole blood from finger prick or primary tube, as a sample.
- ✓ Easy to use - rapid, simple test procedure, 20 minutes assay, storage 1-40°C.

INTERPRETATION OF RESULT



Test negative for malaria



Test positive for *P. falciparum* or mixed infections



Test positive for other species

Malaria
RDT's that

SEEK • DETECT • ENSURE

ISO 13485
Certified Company




TULIP DIAGNOSTICS (P) LTD.

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| | |
|--|--|
|  | Rapid Test for Malaria (Pan/Pf) |
| Application | For the detection <i>P. falciparum</i> specific histidine rich protein-2 (Pf HRP-2) and pan specific pLDH, for differentiation of <i>P. falciparum</i> and other malarial species viz <i>P. vivax</i> , <i>P. ovale</i> & <i>P. malariae</i> in whole blood samples. |
| Principle | Self performing, rapid, qualitative immunoassay, lateral flow device |
| Sensitivity | 100% in correlation with microscopy |
| Specificity | 100 % in correlation with microscopy |
| Reagents | <ul style="list-style-type: none"> • Membrane assembly pre-dispensed with monoclonal anti-Pf. HRP-2 (IgG) colloidal gold conjugate, monoclonal anti-Pan specific pLDH-colloidal gold conjugate, rabbit globulin-colloidal gold conjugate and monoclonal anti-Pf. HRP-2 (IgM) antibody, monoclonal anti-Pan specific pLDH antibody and anti-rabbit antibody at the respective regions • Clearing Buffer |
| Test duration | Twenty minutes assay |
| Storage / Stability | 1-40°C, 2 years |

| Presentation | Pack | Cat.No. |
|--|----------|-----------|
| MALASCAN kit contains individually pouched device, | 25 Tests | 503140025 |

| | | |
|--------------------------------------|----------|-----------|
| 5 µl sample loop and clearing buffer | 50 Tests | 503140050 |
| | | |
| | | |



Zephyr Biomedicals

Quick Reference Guide



malascan® PLUS Rapid test for the detection of Malaria Pf/Pan

Intended Use: _____

malascan® PLUS is a rapid, self performing, qualitative, two site sandwich immunoassay utilizing whole blood for the detection of *P.falciparum* specific histidine rich protein-2 (Pf. HRP-2) and Pan malaria specific pLDH.

malascan® PLUS kit components:

| | |
|--------------------------|--|
| Device | Membrane assembly pre-dispensed with monoclonal anti-Pf. HRP-2 (IgG) colloidal gold conjugate, monoclonal anti-Pan specific pLDH-colloidal gold conjugate, rabbit globulin-colloidal gold conjugate and monoclonal anti-Pf. HRP-2 (IgM) antibody, monoclonal anti-Pan specific pLDH antibody and anti-rabbit antibody at the respective regions. |
| Buffer | Ready to use buffer in a dropper bottle |
| Loop | Disposable 5 µl sample dispensing loops |
| Other Accessories | Desiccant pouch and Package Insert |

Performance Characteristics:

| | |
|--|--|
| Sensitivity: 100% correlation with microscopy | Specificity: 100% correlation with microscopy |
|--|--|

| FEATURES | BENEFITS |
|---|---|
| Uses monoclonal antibodies against Pf. HRP-2 and pan specific pLDH antigen | Sensitivity and specificity in excess of 98% for <i>P. falciparum</i> and all other malarial species |
| Employs Heterophile Binding Reagent (HBR) | Test results are interference protected |
| Pan specific pLDH band enables sensitive detection of all malarial species; <i>P. falciparum</i> , <i>P. vivax</i> , <i>P. ovale</i> and <i>P. malariae</i> | Speciation through pan band, in falciparum negative but other malaria positive cases, is based on the context of epidemiology |
| Uses whole blood from finger prick or primary tube, as a sample | Well suited for field conditions, on-site diagnosis, pathological labs and reference labs, alike. |
| Composite kit | No additional material required for testing |
| Easy to use | Simple 20 minutes assay, storage at 1-40°C |

| Storage / Stability | Temperature | Duration |
|---------------------|------------------|-----------------|
| Unopened kit | 1-40°C | 24 Months |
| Opened pouch | Room temperature | Use immediately |

| Available Pack Sizes | |
|----------------------|----------|
| 25 Tests | 50 Tests |