

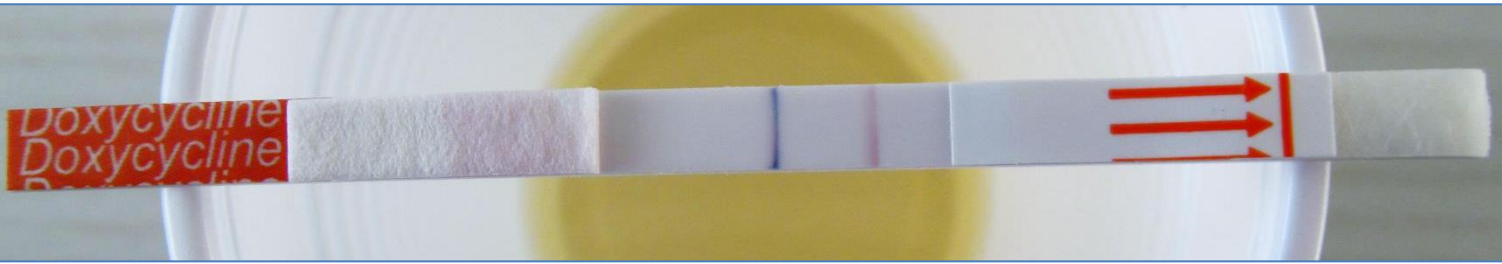
Doxycycline

Rapid Strip

Rapid Test
for *in vitro* Detection of
Doxycycline in Urine



- ✓ Easy to use
- ✓ Rapid (8 min)
- ✓ Sensitive and specific
- ✓ All inclusive kit
- ✓ Stable at room temperature

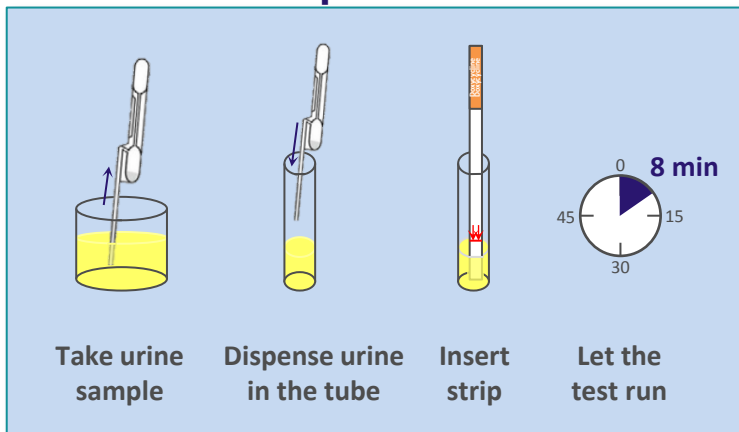


Overview

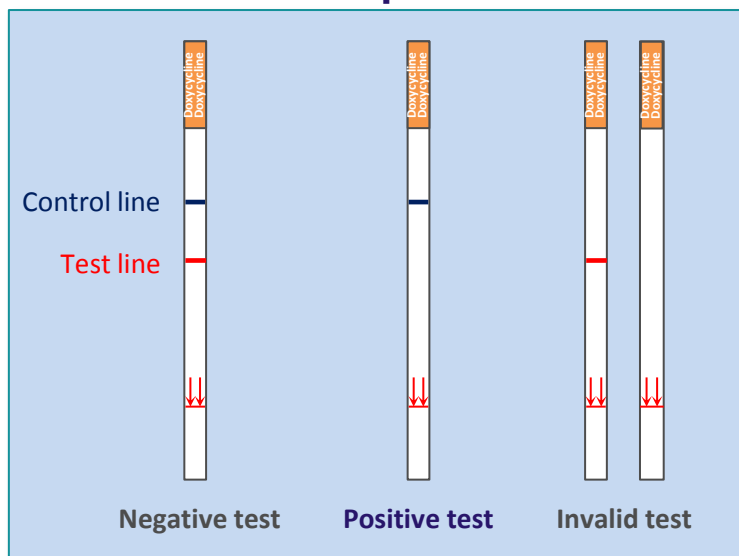
Malaria is caused by *Plasmodium* parasites, which are transmitted through the bites of infected mosquitoes. Malaria control programs are implemented by companies implanted in infested zones. One critical step to control malaria is the administration of a prophylactic treatment. Doxycycline is an antibiotic used for **malaria prophylaxis**.

The **Doxycycline Rapid Strip** kit allows to detect the presence of **doxycycline in urine samples** after uptake of the treatment. This is a highly sensitive, specific and rapid lateral flow test that uses a **doxycycline-specific monoclonal antibody** as detector reagent.

Test procedure



Test interpretation



Performance

Sensitivity: 100%

Specificity: 100%

Detection limit: 1 to 5 µg/ml of doxycycline

Interference: no cross-reaction with proguanil, mefloquine, minocycline, chlorotetracycline and tetracycline has been observed

Validation

All field tests performed were positive when the doxycycline had been taken. The presence of doxycycline in the urine sample was confirmed by HPLC analysis in a reference laboratory.

Technical data

Reference: BIO/K/001-50

Kit's content: 50 test strips; 50 transfer pipettes; 50 test tubes; instructions for use

Shelf-life: 12 months

Storage temperature: room temperature (10 to 35°C)