

# Pantest: Rapid Diagnostic Tests

Pantest is the first laboratory of rapid tests by immunochromatography established in Portugal and one of the first in Europe. Pantest is at the forefront of point of care diagnosis, the first option in clinics. Simple, economic, and reliable, Pantest has developed solutions that make it possible for more people, in more places, to get the reliable tests they need, faster.

## Benefits of Rapid Tests

- No additional lab equipment is needed
- Providing fast results wherever the patient is tested
- No need to send away samples and wait for results
- Easy to Use
- Perfect for small clinics and rural primary health centers
- CE Certified and made in Portugal

Code	Description
5600233273308	Coronavirus Ag(N) Rapid Test - box of 25 tests
5600233273162	Coronavirus 2019-nCov IgM/IgG Rapid Test - box of 25 tests
5600233273230	Rapid Malaria Test Pf/pan box of 25 tests
600233273230	Rapid Pregnancy HCG Test - box of 25 tests
5600233273070	Dengue IgG/IgM Rapid test - box of 25 tests
5600233273285	Cholera Duo (01+0139) Rapid test - box of 15 tests
5600233273087	Chikungunya IgG/IgM Rapid test - box of 25 tests
5600233273339	H. Pylori Rapid test - box of 25 tests
5600233273273	LH Ovulation Rapid Test - box of 25 tests
5600233273063	Tuberculosis IgG/IgM/IgA Rapid test - box of 25 tests
5600233273254	Reagent Strips Urinalysis - box of 100 strips
5600233273049	Syphilis Rapid test - box of 25 tests
5600233273094	Typhoid IgG/IgM Rapid test - box of 25 tests
560023327378	FOB - Fecal occult Blood Rapid Test - box of 25 tests
5600233273223	Rotavirus and Adenovirus Combo rapid test - box of 25 tests

# Chikungunya IgG/Ig

Chikungunya fever is a combined virus with symptoms including fever above 39°, sudden onset, severe pain in the joints, headaches and red patches on the skin. This is a quick test for the qualitative and differential detection of IgM/ IgG for the virus responsible for Chikungunya Fever in human serum and whole blood.



Runtime: 15 to 20 minutes

Minimum levels of detection: IgM

Relative sensitivity: 90.3% (95%CI\*: 81.0%-96.0%)

Relative specificity: 99.9% (95%CI\*: 86.7%-100%)

Accuracy: 92.5 % (95%CI\*: 85.1%-96.9%)

\*Confidence Intervals

IgG

Relative sensitivity: 95%CI\*: 80.8%-99.3%

Relative specificity: 97.0% (95%CI\*: 84.2%-99.9%)

Accuracy: 95.6% (95%CI\*: 87.6%-99.1%)

\*Confidence Intervals

Typology: Virus

Sample: WB/S/P

Presentation: Cassete

Test per box: 25 tests

User: Professional

# Dengue IgG/IgM

Dengue haemorrhagic fever (DHF) and Dengue shock syndrome (DSS) affect at least 500 thousand people every year, with a mortality rate up to 10% for hospitalized patients and 30% for untreated patients. This is a rapid test for qualitative and differential detection of antibodies IgG and IgM to the Dengue virus in human serum, plasma, and whole blood.



Runtime: 10 to 20 minutes

Minimum levels of detection

Relative sensitivity:  $(20+63) / (24+64) = 94.3\%$   
(95%CI\*: 87.2%~98.1%)

Relative specificity:  $429/433=99.1\%$  (95%CI\*: 97.7%~99.7%)

Accuracy:  $(20+63+429) / (24+64+433) = 98.3\%$   
(95%CI\*: 96.7%~99.2%)

\*Confidence Intervals

Typology: Virus

Sample: WB/S/P

Presentation: Cassete

Test per box: 25 tests

User: Professional



# Pantest Coronavirus Ag(N) Rapid Test

The Pantest Coronavirus 2019nCoV-Ag Rapid test is intended for the qualitative detection of nucleocapsid protein antigen from SARS-CoV-2 from a nasopharyngeal or oropharyngeal sample from individuals suspected of COVID-19. Results are for the identification of SARS-CoV-2 acute infection. The Kit is intended for professional use only.



**Runtime:** 10-20 Minutes

**Diagnostic Sensitivity:** 95.7 %

**Diagnostic Specificity:** 99.1 %

**Total Rate:** 97.9 %

**Biological Sample:** Nasopharyngeal or oropharyngeal

**Presentation:** Cassete

**Tests per box:** 25 Tests

**User:** Professional

## H. Pylori

The infection from H. pylori is now accepted as the most common cause of gastritis and can be involved in gastric ulcers, duodenal ulcers, gastric adenocarcinomas, and primary B-cell lymphomas.

The organism is very common. A H. pylori infection is typically acquired in childhood. Once acquired, the infection persists chronically, likely continuing in the stomach throughout life. Damage to the gastric structure and stomach function is constant and direct. Approximately one in six H. pylori infections develop into peptic ulcers and a small portion of H. pylori infections lead to cancer.



**Runtime:** 10 to 20 minutes

**Minimum levels of detection**

**Relative sensitivity:** 98.8% (95%CI\*: 95.8% - 99.9%)

**Relative specificity:** 98.4% (95%CI\*: 95.5% - 99.7%)

**Accuracy:** 98.6% (95%CI\*: 96.8% - 99.5%)

**\*Confidence Intervals**

**Typology:** Bacteria

**Sample:** WB/S/P

**Presentation:** Cassete

**Test per box:** 25 tests

**User:** Professional

# Malaria Pf/Pan

Malaria is the main tropical parasite and one of the most frequent causes of death in children in Africa. This Pf / Pan malaria diagnostic test is a biochemical chromatographic test for the qualitative detection of four types of infections: Plasmodium falciparum whole blood (P.Falciparum (Pf), P. vivax (Pv), P. ovale (Po), and P. malariae (Pm), in whole blood.



Runtime: 10 to 20 minutes

Minimum levels of detection

	Parasites / $\mu$ l
Parasites / $\mu$ l	200
Plasmodium non-falciparum species (P. vivax)	1500

Typology: Parasite

Sample: WB/S/P

Presentation: Cassete

Test per box: 25 tests

User: Professional

# Tuberculosis

Tuberculosis (TB) is a disease caused by a bacterium called Mycobacterium tuberculosis. Recently, HIV associated tuberculosis and multi drug-resistant tuberculosis are on the rise. Pantest's rapid immunochromatographic test is able to overcome the difficulties of diagnosing tuberculosis detection by qualitatively detecting anti-TB antibodies (IgG, IgM and IgA isotypes) in full blood, serum or plasm samples.



Runtime: 10 - 20 minutes

Sensitivity: 86.4% (95%CI\*: 78.5%~92.2%)

Specificity: 99.0% (95%CI\*: 97.7%~99.7%)

Accuracy: 96.7% (95%CI\*: 95.0%~98.0%)

\*Confidence Intervals

Typology: Bacteria

Presentation: Cassete

Test per box: 25 tests

User: Professional

# Urinalysis Test

Urine undergoes many changes during disease or dysfunction of the body before the composition of the blood changes significantly. Urinalysis is a useful procedure as an indicator of health or illness and as such is part of routine health screening. Urinalysis Test Strips (Urine) can be used in the general health assessment and monitoring of metabolic or systemic diseases that affect kidney function, endocrine disorders, and urinary tract diseases or disorders.



Readgent	Reading time	Description
Ascorbic acid (ASC)	30 seconds	Detects ascorbic acid from 5-10 mg/dL (0.28-0.56mmol/L)
Glucose (GLU)	30 seconds	Detects glucose from 50-100 mg/dL (2.5-5 mmol/L)
Bilirubin (BIL)	30 seconds	Detects bilirubin from 0.4-1.0 mg/dL (6.8-17 $\mu$ mol/L)
Ketone (CET)	40 seconds	Detects acetoacetic acid from 2.5-5 mg/dL (0.25-0.5mmol/L)
Specific Gravity (SG)	45 seconds	Determines the specific gravity in urine (between 1000 and 1030). The results correlate with the values obtained by the refractive index $\pm 0.005$ .
Blood (BLO)	60 seconds	Detects hemoglobin from 0.018-0.060 mg / dL or 5-10 Ery / ul in urine spectra with ascorbic acid content $< 50$ mg / dL
PH	60 seconds	Allows quantitative differentiation of pH values within the range of 5-9.
Protein (PRO)	30 seconds	Detects albumin from 7.5-15 mg/dL (0.075-0.15 g/L)
Urobilinogen (URO)	30 seconds	Detects urobilinogen from 0.2-1.0 mg/dL (3.5-17 $\mu$ mol/L)
Nitrite (NIT)	30 seconds	Detects sodium nitrate from 0.05-0.1 mg/dL (3.5-17 $\mu$ mol/L).
Leukocytes (LEU)	120 seconds	Detects leukocytes from 9-15 white blood cells read/ul in clinical urine