

Clarithromycin, Quinolone-Resistant and Non-Resistant Helicobacter Pylori Nucleic Acid Amplification Test Kit

Fluorescent Probe-Based Real-Time PCR Assay

Why do we test Helicobacter Pylori?

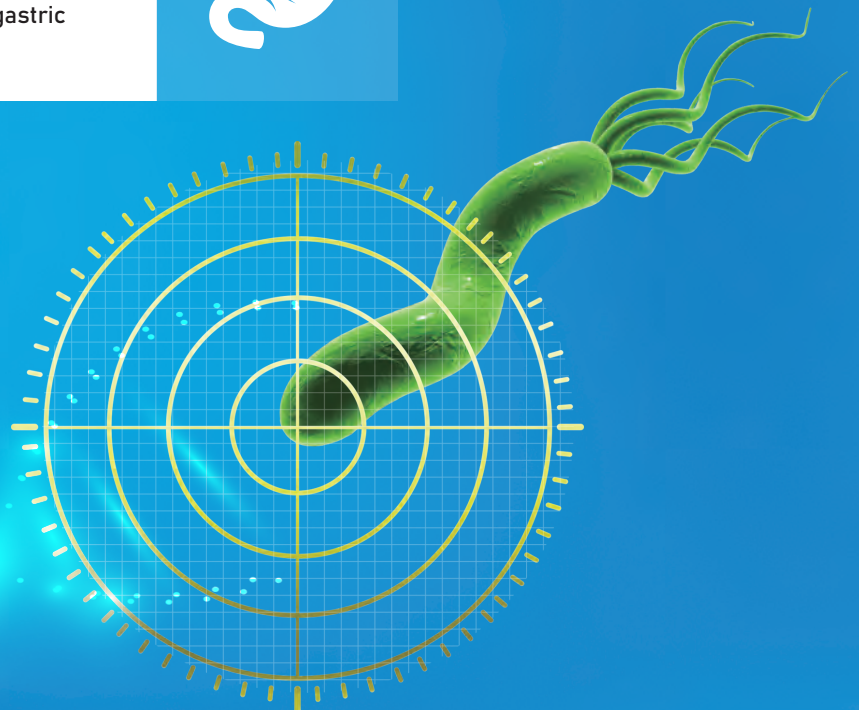
About 50% of people in the world have a history of Helicobacter Pylori infection; The Maastricht V/Florence Consensus Report pointed out “H. pylori infection is accepted as the major aetiological factor for gastric cancer, and H. pylori eradication reduces the risk of gastric cancer development.”

Why is it important to detect Helicobacter pylori antibiotic resistance?

Due to the extensive use of antibiotics, H pylori resistance strains are widespread; The Maastricht V/Florence Consensus Report recommended performing clarithromycin susceptibility testing by the molecular test directly on the gastric biopsy specimen.

Test Principle

This kit uses polymerase chain reaction (PCR) based on TaqMan fluorescent probe technology to identify H. pylori and antibiotic-resistant mutations from human gastric biopsy specimen.



Comparison of eradication rate with susceptible strains and resistant strains after 14 days treatment.

Treatment Protocol	Susceptible strains	CAM and/or LVX Resistant strains
Standard Triple therapy Levofloxacin triple therapy Bismuth quadruple therapy	Eradication rate > 95%	Eradication rate < 50%

Once the infected H.pylori are resistant strains, our products can help:

- Selection of effective antibiotics and treatment protocol to increase the eradication rate.
- Avoid secondary antibiotic resistance due to the first treatment failure.
- Reduce H. pylori diagnosis cost and save treatment time.
- Avoid multiple eradications leading to the extinction of beneficial strains in the body.
- Further reduction of the incidence of gastric cancer.

Product Features

3 in 1 Detection

Detects wild H. pylori, Clarithromycin and Quinolone antibiotic-resistant simultaneously in a single tube.

Reliable Results

Internal control included in each tube monitoring whole testing processes and avoid false-negative results.

Rapid Diagnosis

Analysis time within 2 hours.

Anti-contamination

UNG/dUTP system minimizing the PCR contamination.

Additional Antibiotic Diagnosis Capacity

Amoxicillin, Tetracycline, and Furazolidone antibiotic resistance can be customized according to the demand.

Ordering Information

Cat No.	Product Name	Specimen	Specification	Certification
B052T010B0C2	Clarithromycin, Quinolone-Resistant and Non-Resistant Helicobacter Pylori Nucleic Acid Amplification Test Kit	Gastric biopsy specimen	10 Tests/Box	CE
B052T050B0C2			50 Tests/Box	