

Clarithromycin, Quinolone-Resistant and *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.

Test Principle

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



Clinical significance

- Select** effective antibiotics and treatment strategies to eradicate *H.pylori*.
- Reduce** the cost of diagnosis and treatment of *H.pylori* infection.
- Avoid** dysbiosis due to multiple antibiotics and prolonged treatment duration.
- Prevent** future antibiotic resistance due to the failure of first line treatment.

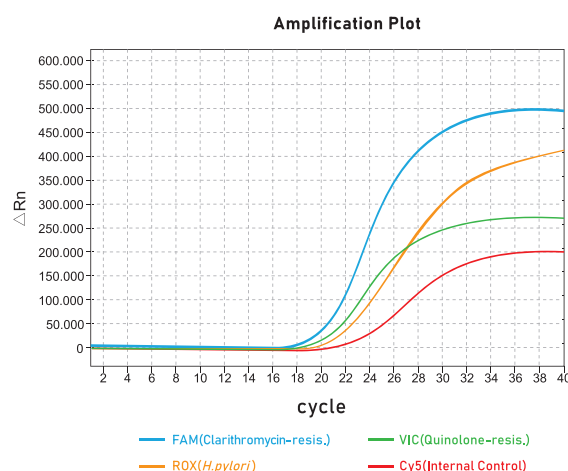
Comparison of eradication rate with susceptible strains and resistant strains after 14 days of treatment.

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%

Recommended Thermal Cyclers

- Applied Biosystems™ 7500 Real-Time PCR System
- Stratagene MX 3000P Real-Time PCR System
- BioRad CFX96 Real-Time PCR System
- Other Real-Time Thermal Cyclers which could detect FAM, VIC/HEX, ROX and CY5 simultaneously

Sample Results



Ordering Information

Cat No.	Product Discription	Format	Specimen	Shelf Life	Kit Size	Certification
B052T010B0C2	Clarithromycin, Quinolone-Resistant and <i>Helicobacter Pylori</i> Nucleic Acid Amplification Test Kit	Liquid	Gastric biopsy	12 Months	10 Tests/Box	CE NMPA
B052T050B0C2					50 Tests/Box	
B05201T2048		Lyophilized	Feces		48 Tests/Box	CE
B05201T2096					96 Tests/Box	
B055T010B0C2	Furazolidone, Tetracycline and Amoxicillin-Resistant <i>Helicobacter Pylori</i> Nucleic Acid Amplification Test Kit	Liquid	Gastric biopsy		10 Tests/Box	Non-CE RUO
B055T025B0C2					25 Tests/Box	
B055T050B0C2					50 Tests/Box	

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