VIASURE *MULTIPLEX*

H. pylori + Clarithromycin resistance Real Time PCR Detection Kit

Pathogen and product description

VIASURE H. pylori + Clarithromycin resistance Real Time PCR Detection Kit is designed for the specific identification of H. pylori and detection of clarithromycin (CLR) resistance in gastric tissue biopsies from patients with signs and symptoms of gastrointestinal infection.

This test is intended to be used as an aid in the diagnosis of H. pylori and resistance to clarithromycin in combination with clinical and epidemiological risk factors.

DNA is extracted from gastric tissue biopsies, multiplied using Real Time amplification and detected using specific primers and a fluorescent reporter dye probe for H. pylori and clarithromycin. The assay for detecting CLR resistance is based on detection of point mutations in the 23S rRNA gen.

More info through www.certest.es

Analytical sensitivity

VIASURE *H. pylori + Clarithromycin resistance* Real Time PCR Detection Kit has a detection limit of ≥10 DNA copies per reaction for Clarithromycin resistance and *H. pylori* (Figures 1, 2 and 3).

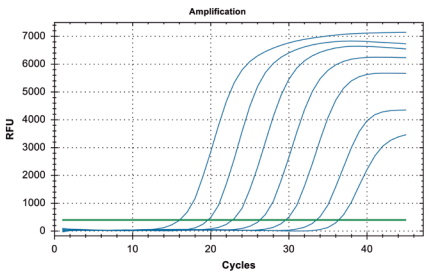


Figure 1. Dilution series of Clarithromycin resistance (10^7-10^1 copies/rxn) template run on the Bio-Rad CFX96™ Real-Time PCR System (channel FAM).

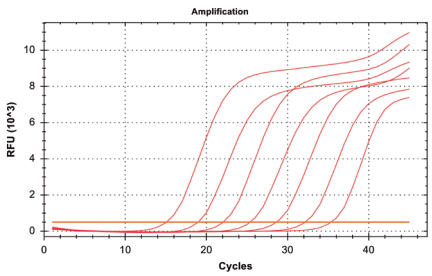


Figure 2. Dilution series of H.pylori (10^7-10^1 copies/rxn) template run on the Bio-Rad CFX96™ Real-Time PCR System (channel ROX).

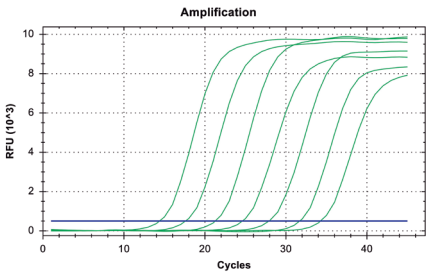


Figure 3. Dilution series of Clarithromycin wild-type sequence (10^7-10^1 copies/rxn) template run on the Bio-Rad CFX96™ Real-Time PCR System (channel HEX).

Components

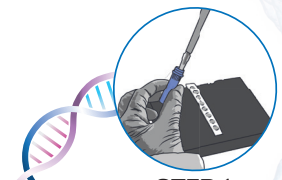
Reagent/Material	Description	Colour	Quantity
***H. pylori + Clarithromycin resistance* 8-well strips**	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	White	6/12 x 8-well strip
Rehydration Buffer	Solution to reconstitute the stabilized product	Blue	1 vial x 1,8 mL
***H. pylori + Clarithromycin resistance* Positive Control**	Non-infectious synthetic lyophilized cDNA	Red	1 vial
Negative Control	Non template control	Violet	1 vial x 1 mL
Water RNAse/DNAse free	Water RNAse/DNAse free	White	1 vial x 1 mL
Tear-off 8-cap strips	Optical caps for sealing Wells during thermal cycling	Transparent	6/12 x 8-cap strip

Kit References

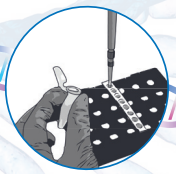
Reference	Description
VS-CLA106L	Viasure *H. pylori + Clarithromycin resistance* Real Time PCR Detection Kit 6 x 8-well strips, low profile
VS-CLA106H	Viasure *H. pylori + Clarithromycin resistance* Real Time PCR Detection Kit 6 x 8-well strips, high profile
VS-CLA112L	Viasure *H. pylori + Clarithromycin resistance* Real Time PCR Detection Kit 12 x 8-well strips, low profile
VS-CLA112H	Viasure *H. pylori + Clarithromycin resistance* Real Time PCR Detection Kit 12 x 8-well strips, high profile
VS-CLA113L	Viasure *H. pylori + Clarithromycin resistance* Real Time PCR Detection Kit 96-well plate, low profile
VS-CLA113H	Viasure *H. pylori + Clarithromycin resistance* Real Time PCR Detection Kit 96-well plate, high profile
VS-CLA136	Viasure *H. pylori + Clarithromycin resistance* Real Time PCR Detection Kit 9 x 4-well strips, Rotor Gene®
VS-CLA172	Viasure *H. pylori + Clarithromycin resistance* Real Time PCR Detection Kit 18 x 4-well strips, Rotor Gene®

Work Flow

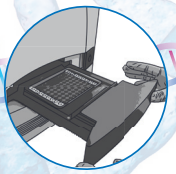
One-step rehydration of wells and add your extracted DNA



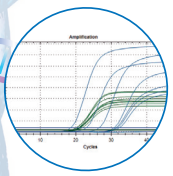
STEP 1
Add 15 µl of rehydration buffer into each well



STEP 2
Add 5 µl of DNA sample / positive control / negative control



STEP 3
Load the strips into the thermocycler and run the specified protocol



STEP 4
Interpretate results

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CSQ MED ISO 13485