

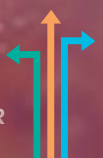
VIASURE

Helicobacter pylori Real Time PCR Detection Kit

Pathogen and product description

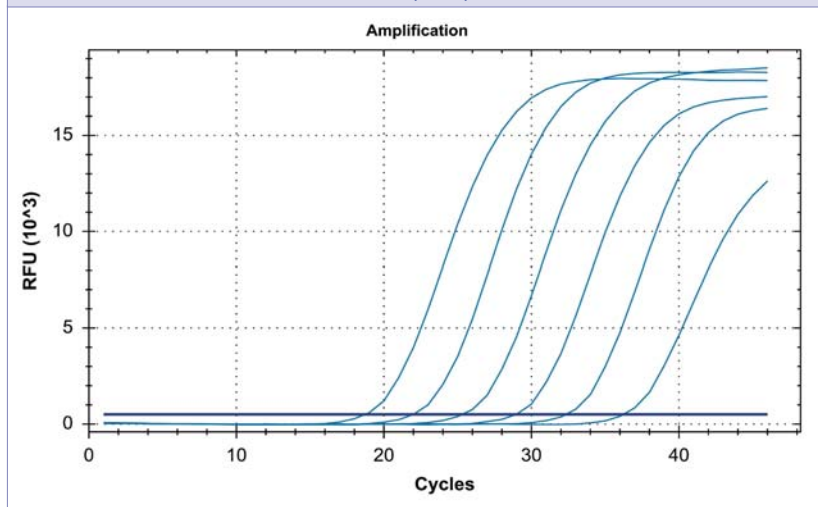
H*elicobacter pylori* is a gram-negative microaerophilic spiral-shaped bacterium, which is able to colonize the mucus layer of the human stomach and the upper part of small intestine (duodenum). More than half of the world's population is estimated to be infected with *H. pylori*, but the most individuals are asymptomatic. *H. pylori* is involved in the pathogenesis of atrophic gastritis, gastroduodenal ulcer, gastric cancer and gastric mucosa-associated lymphoid tissue (MALT) lymphoma.

VIASURE *Helicobacter pylori* Real Time PCR Detection Kit is designed for the detection of *Helicobacter pylori* in human stool samples. After DNA isolation, the identification of *Helicobacter pylori* is performed by the use of target specific primers and a fluorescent-labeled probe that hybridizes to a conserved region with the *ureB* gene.



Analytical sensitivity

VIASURE *Helicobacter pylori* Real Time PCR Detection Kit has a detection limit of ≥ 100 DNA copies per reaction



Dilution series of *Helicobacter pylori* (10^7 - 10^2 copies/rxn) template run on the Bio-Rad CFX96 Touch™ Real-Time PCR Detection System

Components

Reagent/Material	Description	Quantity
<i>Helicobacter pylori</i> 8-well strips	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	6/12 X 8-well strip
<i>Helicobacter pylori</i> 96-well plate	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	1 plate
Rehydration Buffer	Solution to reconstitute the stabilized product	1 vial x 1,8 mL
<i>Helicobacter pylori</i> Positive Control	Non-infectious synthetic lyophilized DNA	1 vial
Negative Control	Non template control	1 vial x 1 mL
Water RNase/DNase free	Water RNase/DNase free	1 vial x 1 mL
Tear-off 8-cap strips	Optical caps for sealing wells during thermal cycling	6/12 X 8 cap strip
Shell Frame Grid	Shell Frame Grid	1 or 2

Kit References

Reference	Description
VS-PYR106L	Viasure <i>Helicobacter pylori</i> Real Time PCR Detection Kit 6 x 8-well strips, low profile
VS-PYR106H	Viasure <i>Helicobacter pylori</i> Real Time PCR Detection Kit 6 x 8-well strips, high profile
VS-PYR112L	Viasure <i>Helicobacter pylori</i> Real Time PCR Detection Kit 12 x 8-well strips, low profile
VS-PYR112H	Viasure <i>Helicobacter pylori</i> Real Time PCR Detection Kit 12 x 8-well strips, high profile
VS-PYR113L	Viasure <i>Helicobacter pylori</i> Real Time PCR Detection Kit 96-well plate, low profile
VS-PYR113H	Viasure <i>Helicobacter pylori</i> Real Time PCR Detection Kit 96-well plate, high profile

Work Flow

One-step rehydration of wells and add your extracted DNA



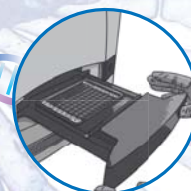
STEP 1
Separate the number of required strips you need



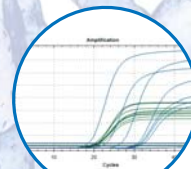
STEP 2
Add 15 μ l of rehydration buffer into each well



STEP 3
Add 5 μ l of DNA sample / positive control / negative control



STEP 4
Load the strips into the thermocycler and run the specified protocol



STEP 5
Interpretate results



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