

VIASURE

Giardia lamblia Real Time PCR Detection Kit

Pathogen and product description

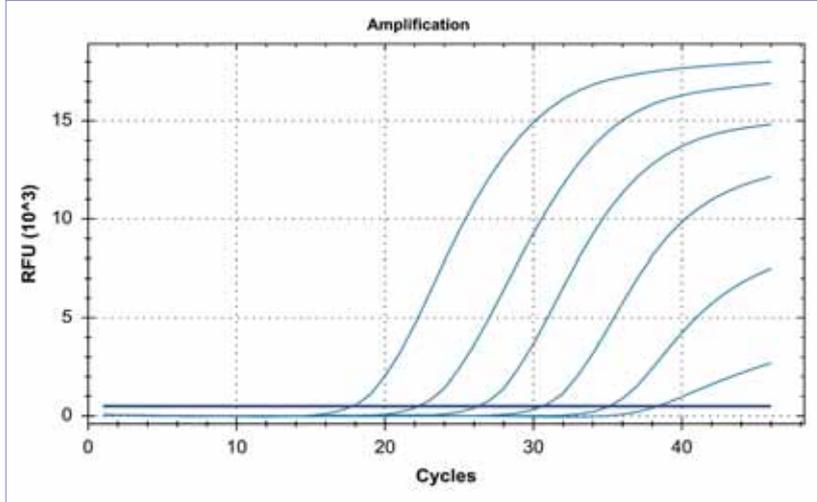
Six species have been identified in the *Giardia* genus, which infect the small intestine of a wide range of vertebrate hosts. Among them, *Giardia lamblia* (synonyms are *Giardia duodenalis* and *Giardia intestinalis*) is a common protozoan parasite which contributes to the enormous burden of diarrheal diseases with over 250 million symptomatic human infections per year.

VIASURE *Giardia lamblia* Real Time PCR Detection Kit is designed for the diagnosis of gastroenteritis caused by *Giardia lamblia* in human stool samples. After DNA isolation, the identification of *Giardia lamblia* is performed by the use of target specific primers and a fluorescent-labeled probe that hybridizes to a conserved region with the 18S rRNA gene.



Analytical sensitivity

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



Dilution series of *Giardia lamblia* (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>Giardia lamblia</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>Giardia lamblia</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>Giardia lamblia</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-GIA106L	Viasure <i>Giardia lamblia</i> Real Time PCR Detection Kit 6 x 8-well strips, low profile
VS-GIA106H	Viasure <i>Giardia lamblia</i> Real Time PCR Detection Kit 6 x 8-well strips, high profile
VS-GIA112L	Viasure <i>Giardia lamblia</i> Real Time PCR Detection Kit 12 x 8-well strips, low profile
VS-GIA112H	Viasure <i>Giardia lamblia</i> Real Time PCR Detection Kit 12 x 8-well strips, high profile
VS-GIA113L	Viasure <i>Giardia lamblia</i> Real Time PCR Detection Kit 96-well plate, low profile
VS-GIA113H	Viasure <i>Giardia lamblia</i> Real Time PCR Detection Kit 96-well plate, high profile

Work Flow

One-step rehydration of wells and add your extracted DNA



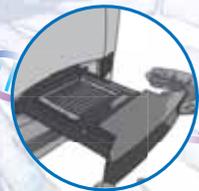
STEP 1
Separate the number of required strips you need



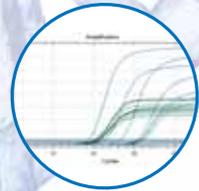
STEP 2
Add 15 μ l of rehydration buffer into each well



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