

VIASURE

Entamoeba histolytica Real Time PCR Detection Kit

Pathogen and product description

E*ntamoeba histolytica* is considered the pathogenic *Entamoeba* which are found in the human intestinal tract. The WHO estimates that *E. histolytica* is responsible for 50 million cases of amoebiasis and 100.000 deaths worldwide each year. *E. histolytica* is morphologically indistinguishable in its cyst and trophozoite stages by microscopy from *E. dispar* and *E. moshkovskii*. VIASURE *Entamoeba histolytica* Real Time PCR solves this problem, helping to a clear identification of *E. histolytica*.

VIASURE *Entamoeba histolytica* Real Time PCR Detection Kit is designed for the diagnosis of amoebiasis caused by *Entamoeba histolytica* in human stool samples. After DNA insolation, the identification of *Entamoeba histolytica* 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.

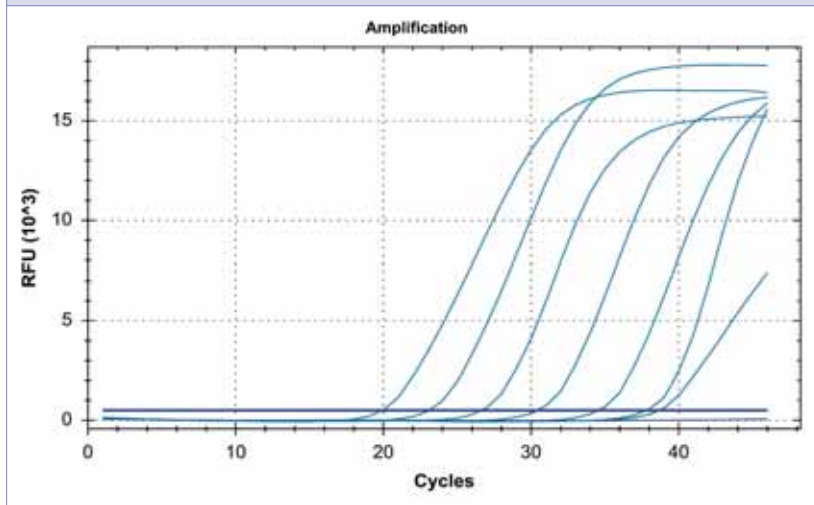


THE REAL ONE STEP qPCR



Analytical sensitivity

VIASURE *Entamoeba histolytica* Real Time PCR Detection Kit has a detection limit of ≥ 10 DNA copies per reaction



Dilution series of *Entamoeba histolytica* (10^7 - 10^1 copies/rxn) template run on the Bio-Rad CFX96 Touch™ Real-Time PCR Detection System

Components

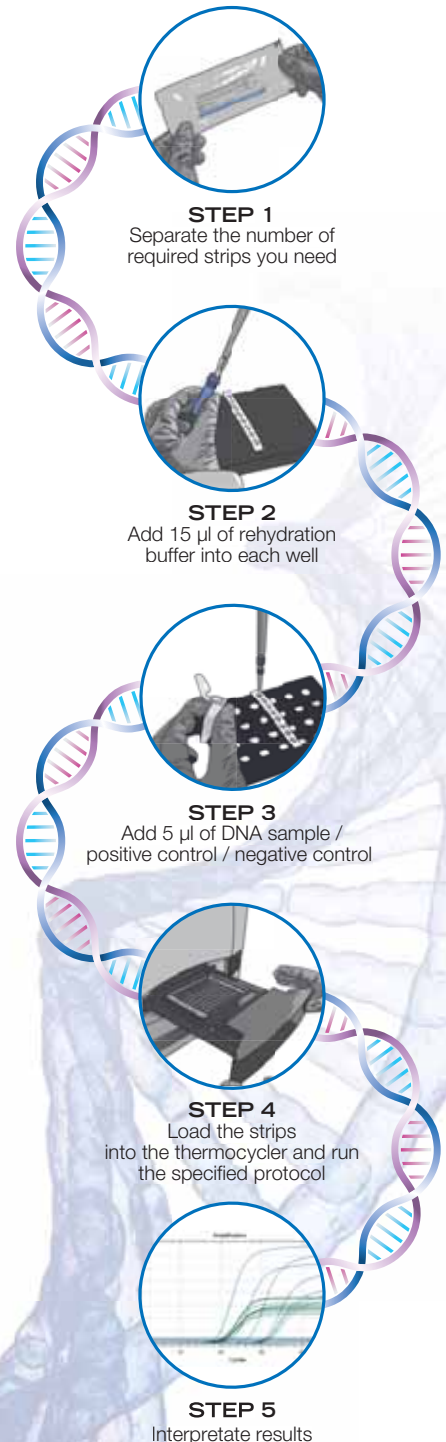
Reagent/Material	Description	Quantity
<i>Entamoeba histolytica</i> 8-well strips	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	6/12 X 8-well strip
<i>Entamoeba histolytica</i> 96-well plate	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	1 plate
Rehydration Buffer	Solution to reconstitute the stabilized product	1 vial x 1,8 mL
<i>Entamoeba histolytica</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-ETH106L	Viasure <i>Entamoeba histolytica</i> Real Time PCR Detection Kit 6 x 8-well strips, low profile
VS-ETH106H	Viasure <i>Entamoeba histolytica</i> Real Time PCR Detection Kit 6 x 8-well strips, high profile
VS-ETH112L	Viasure <i>Entamoeba histolytica</i> Real Time PCR Detection Kit 12 x 8-well strips, low profile
VS-ETH112H	Viasure <i>Entamoeba histolytica</i> Real Time PCR Detection Kit 12 x 8-well strips, high profile
VS-ETH113L	Viasure <i>Entamoeba histolytica</i> Real Time PCR Detection Kit 96-well plate, low profile
VS-ETH113H	Viasure <i>Entamoeba histolytica</i> Real Time PCR Detection Kit 96-well plate, high profile

Work Flow

One-step rehydration of wells and add your extracted DNA



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