

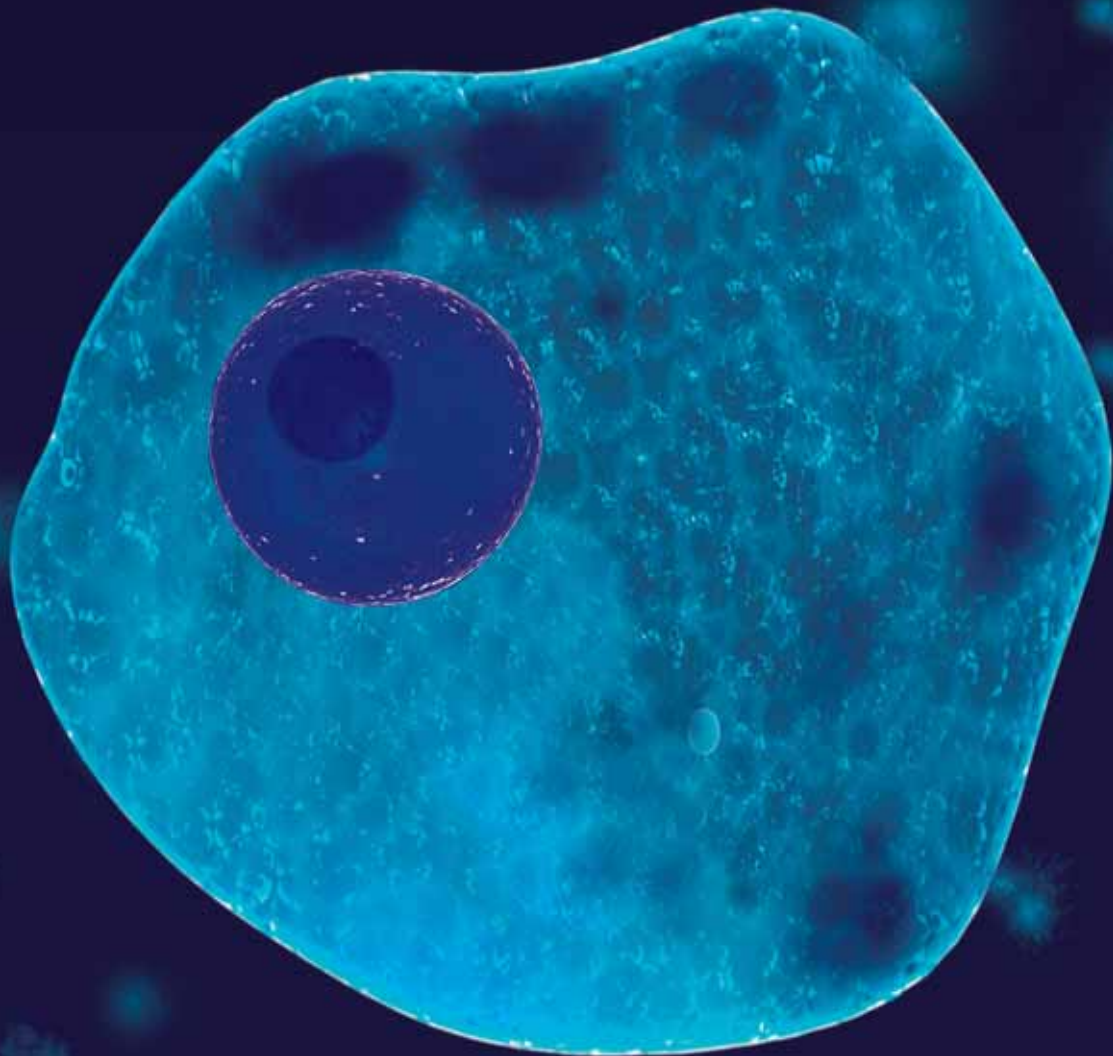
# VIASURE

## *Entamoeba dispar* Real Time PCR Detection Kit

### Pathogen and product description

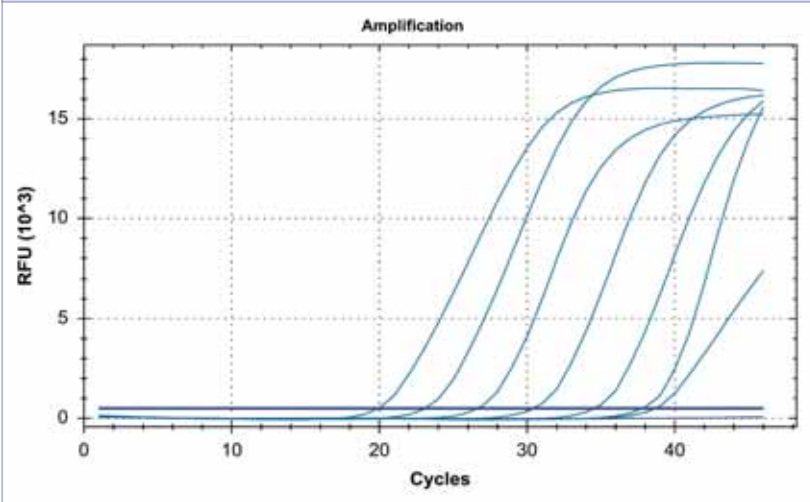
The genus *Entamoeba* comprises six species that live in the human intestinal lumen. Although *E. histolytica* is the only one recognized as a pathogen, the ability of the other species to cause disease is unclear. In fact, specific strains of *E. dispar* have been associated with non-dysenteric human colitis and amoebic liver abscess, therefore the non-pathogenicity of *E. dispar* is questionable.

VIASURE *Entamoeba dispar* Real Time PCR Detection Kit is designed for the detection of *Entamoeba dispar* in human stool samples. After DNA isolation, the identification of *Entamoeba dispar* 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** Entamoeba dispar Real Time PCR Detection Kit has a detection limit of  $\geq 10$  DNA copies per reaction



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

**Components**

Reagent/Material	Description	Quantity
Entamoeba dispar 8-well strips	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	6/12 X 8-well strip
Entamoeba dispar 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
Entamoeba dispar 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-ETD106L	Viasure Entamoeba dispar Real Time PCR Detection Kit 6 x 8-well strips, low profile
VS-ETD106H	Viasure Entamoeba dispar Real Time PCR Detection Kit 6 x 8-well strips, high profile
VS-ETD112L	Viasure Entamoeba dispar Real Time PCR Detection Kit 12 x 8-well strips, low profile
VS-ETD112H	Viasure Entamoeba dispar Real Time PCR Detection Kit 12 x 8-well strips, high profile
VS-ETD113L	Viasure Entamoeba dispar Real Time PCR Detection Kit 96-well plate, low profile
VS-ETD113H	Viasure Entamoeba dispar Real Time PCR Detection Kit 96-well plate, high profile

**Work Flow**

One-step rehydration of wells and add your extracted DNA

