



"Ready & Easy-to-use" kits.
Lyophilised product



Transport and storage at room temperature.
Shelf-life: 24 months



CE marked

GASTRO INFECTION
ETD
MONOPLEX

Entamoeba dispar

- ▶ The genus *Entamoeba* comprises six species (*Entamoeba histolytica*, *Entamoeba dispar*, *Entamoeba moshkovskii*, *Entamoeba poleki*, *Entamoeba coli*, and *Entamoeba hartmanni*).

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 associated with non-dysenteric human colitis and amoebic liver abscess, therefore the non-pathogenicity of *E. dispar* is questionable.

E. histolytica and *E. dispar* are morphologically identical but biologically different, so detection of the pathogenic *E. histolytica* and its differentiation from *Entamoeba dispar* plays a crucial role in the clinical management of patients.

The diagnosis of amebiasis has been primarily based on microscopic examination of stools, however, fails to differentiate between both *E. histolytica* and *E. dispar*.

- ▶ **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.

Entamoeba dispar

VIASURE *Entamoeba dispar* Real Time PCR Detection Kit is designed for specific identification of *E. dispar* in human stool samples from patients with signs and symptoms of *Entamoeba dispar* infection.

This test is intended for use as an aid in the diagnosis of *Entamoeba dispar* infection in combination with clinical and epidemiological risk factors.

DNA is extracted from stool specimens, multiplied using Real Time amplification and detected using specific primers and a fluorescent reporter dye probe for *Entamoeba dispar*.

► Analytical sensitivity

The linearity of the assay was determined and confirmed by testing ten-fold dilutions containing a known concentration (ranging from 10^7 to 10^1 copies per reaction) of specific and synthetic DNA belonging to *Entamoeba dispar*:

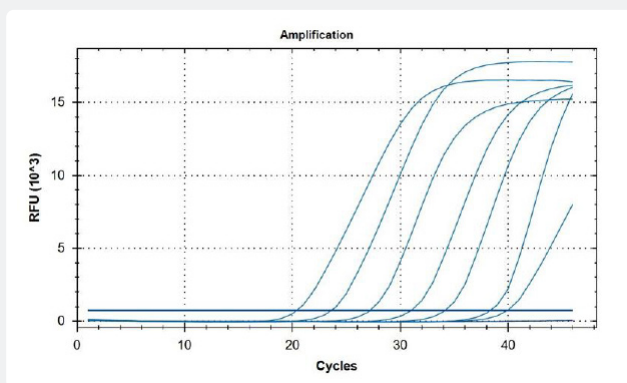


Figure 1. Dilution series of *Entamoeba dispar* (10^7 - 10^1 copies/rxn) template run on the Bio-Rad CFX96™ Real-Time PCR Detection System (channel FAM).

Analytical sensitivity or limit of detection (LoD) was analysed using human stool samples. **VIASURE *Entamoeba dispar* Real Time PCR Detection Kit** has a detection limit of 100 DNA copies per reaction for *Entamoeba dispar*, with a positive rate of 95%.

For more information and use procedure, read the instructions for use included in this product.