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Datasheet for ABIN997061

Entamoeba Histolytica ELISA Kit

Overview

Quantity:	96 tests
Target:	Entamoeba Histolytica
Reactivity:	Entamoeba histolytica
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	This ELISA is an in vitro immunoassay for the qualitative determination of E. histolytica antigen in feces.
Analytical Method:	Qualitative
Detection Method:	Colorimetric
Specificity:	100%
Sensitivity:	88%

Target Details

Target:	Entamoeba Histolytica
Abstract:	Entamoeba Histolytica Products
Target Type:	Species
Background:	E. histolytica is the protozoan parasite responsible for the disease amebiasis. Symptoms of acute amebiasis include diarrhea and colitis. The disease may manifest itself as an acute, chronic or as an asymptomatic infection. In addition, a percentage of the intestinal amebic

Target Details

infections will become extra-intestinal and cause abscesses in various organs. If extra-intestinal amebiasis is suspected, a serology test (such as DAI's E. histolytica Serology ELISA) should be used for diagnosis. By the time abscesses are occurring, the patient's stools are normally clear of amoebas. The mode of transmission of E. histolytica is typically through fecal-oral ingestion of cysts, often by drinking contaminated water. Epidemics of amebiasis have been documented in developed nations but the parasite is quite common in under-developed countries. Travelers returning from under-developed countries account for the majority of cases in developed countries.

Diagnosis of intestinal amebiasis has been done through a number of invasive and non-invasive techniques. Of the non-invasive techniques, microscopic examination of stools has been the most common. However, this method relies on an experienced technician and subsequent observation of intact organisms. Because of the historically low proficiency of correct microscopic examinations and intermittent excretion of organisms, alternative diagnostic methods have been investigated. One important alternative has been the development of an antigen capture enzyme linked immunosorbent assay (ELISA) for use with stools. These tests have shown comparable sensitivity to experienced microscopic examinations, are fairly simple to perform and do not require the observation of intact organisms.

Application Details

Sample Volume:	1 g
Assay Time:	1 - 2 h
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Expiry Date:	12 months