

Comprehensive parasitology diagnostic solutions

Thermo Scientific™ ProSpecT™ and Thermo Scientific™ Xpect™ parasitology enzyme immunoassays are easy-to-use diagnostic tests for the rapid identification of intestinal protozoan parasites direct from fecal specimens, including:

- *Cryptosporidium*
- *Giardia*
- *Entamoeba histolytica*



Same day results

Easy-to-read results in two hours or less

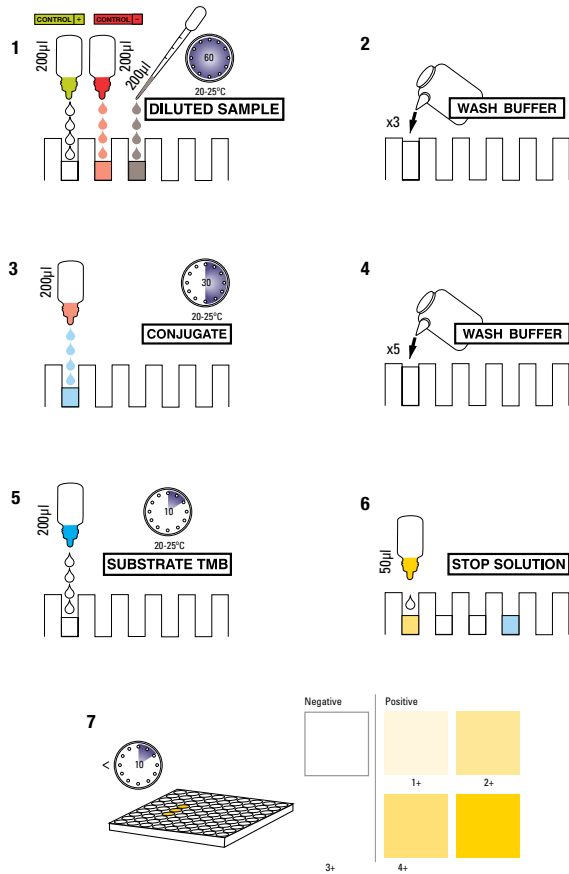
Easy to perform

Ideal for routine testing and screening

Convenient

Room temperature incubation.
EIA kits share common procedure
and reagents

ProSpecT Parasitology Kits



Parasitology Diseases

The diseases caused by intestinal protozoan parasites often have similar clinical presentation, not only to each other but also to other gastrointestinal pathogens, such as bacteria and viruses, particularly in the early stages. It is important to identify the correct parasite quickly, or to rule out its presence to guide therapeutic and infection control decisions.

The ProSpecT range of enteric parasitology products are enzyme immunoassays in a familiar microplate format, giving sensitive and specific results. The range includes tests for detection of *Giardia*, *Cryptosporidium* and *Entamoeba histolytica*.

The rapid differential diagnosis of the cause of infection is important both for patient treatment and appropriate infection control measures. The tests in the Xpect range are quick and easy to perform, giving sensitive and specific results.

Giardiasis and Cryptosporidiosis

Two of the most significant causes of protozoal diarrhea in humans worldwide are *Giardia* and *Cryptosporidium*. These organisms cause significant waterborne parasitic infections and are responsible for a number of outbreaks of gastrointestinal disease around the world every year.

Those most at risk of infection include children in day care, childcare workers, parents of infected children, international travelers, people who drink untreated water and swimmers who swallow water. Severe disease can lead to weight loss and dehydration. Those most at risk of severe disease include the very young, pregnant women and the immunocompromised.

Amoebiasis

Another protozoan parasite that is a significant cause of diarrhea is *Entamoeba histolytica*. Amoebiasis is most common in developing countries, in immigrants from developing countries and in people who have traveled to developing countries. It is contagious and can spread very quickly, especially in regions where drinking water becomes contaminated. Symptoms may be mild to severe (amoebic dysentery).

The parasite can break through the mucosal barrier and enter the portal circulation, enabling it to infect the liver where it may cause amoebic liver abscesses.

Enteric products	Size/Format	Order code
ProSpecT Adenovirus Microplate Assay	96 tests	R240096
ProSpecT Astrovirus Microplate Assay	96 tests	R240196
ProSpecT C. difficile Toxin A/B Microplate Assay	96 tests	R244596
ProSpecT Campylobacter Microplate Assay	96 tests	R2476096
ProSpecT Cryptosporidium Microplate Assay	96 tests	R2454096
ProSpecT Entamoeba histolytica Microplate Assay	96 tests	R2456096
ProSpecT Giardia EZ Microplate Assay	96 tests	R2458596
ProSpecT Giardia Microplate Assay	96 tests	R2458096
ProSpecT Giardia/Cryptosporidium Microplate Assay	96 tests	R2458496
ProSpecT Rotavirus Microplate Assay	96 tests	R240396
ProSpecT Shiga Toxin E. coli (STEC) Microplate Assay	48 tests	R2474048
	96 tests	R2474096
Xpect C. difficile Toxin A/B Lateral Flow Test	20 tests	R24650
Xpect Cryptosporidium Lateral Flow Test	20 tests	R2451020
Xpect Giardia Lateral Flow Test	20 tests	R2450020
Xpect Giardia/Cryptosporidium Lateral Flow Test	20 tests	R2450520
Xpect Rotavirus Lateral Flow Test	20 tests	R24655

For more information about these and other parasitology diagnostic products, visit thermoscientific.com/microbiology

thermoscientific.com/microbiology

© 2014 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are property of Thermo Fisher Scientific and its subsidiaries.

Contact Information:

International
+44 (0) 1256 841144
microbiology@thermofisher.com

USA
+1 800 255 6730
microbiology@thermofisher.com

991-390
LT2139A
September 2014

Thermo
SCIENTIFIC

A Thermo Fisher Scientific Brand