

Microsporidium Control Slides

Manufacturer/Supplier:

Scientific Device Laboratory
411 Jarvis Ave, Des Plaines, IL 60018 USA
General and Technical Information
Phone Number: 847-803-9495
Website: www.scientificdevice.com

Intended Use:

The Microsporidium Control Slides' are intended to be part of a quality control program for the staining of feces and duodenal aspirates for microsporidiosis. These slides in conjunction with a Modified Trichrome Stain are solely intended for *in vitro* analysis.

Summary and Explanation:

The Microsporidium Controls Slides intended use is as a comparison control of morphology for the routine staining of feces and other body fluids for microsporidiosis.

In 1985¹ it was shown that several members of the Microsporidia family have been implicated with chronic diarrhea disease in HIV infected individuals. In the past, the diagnosis of this disease relied upon obtaining biopsy specimens. Recently², a technique was established, using a simple differential staining system that confirms the presence of *Microsporidia* in fecal specimens. Without this stain these organisms are undetectable. This staining system utilizes a Modified Trichrome Stain containing chromotrope 2R among other chemicals.

Principle of the Procedure:

Microsporidia Control Slides can be stained with SDL Microsporidia StainQuick System or another vendors' Microsporidia stain set.

Components:

Methanol fixed Microsporidia Control Slides in boxes of 10

Warnings:

Do not use product beyond the expiration date.
Avoid wiping slide dry with cloth or paper towels.

Storage:

Store at room temperature (15°C to 30°C)

Procedure:

Follow laboratory procedure or procedure outlined in stain manufacturer's Instructions For Use.

Expected Results:

Under oil immersion, the spores from *Microsporidia* are ovoid, refractive to light, and are pink in color. The spore walls stain pink, and some spores show a pink internal structure. The size of each spore is approximately; 1.5 by 0.9 μ m. Most of the background material including bacteria and yeast stain green.

Quality Control:

Each time this staining procedure is performed a control slide should also be stained. Results should be recorded in a quality control book.

Limitations:

The preparation of a very thin smear is necessary in order to visualize these small organisms.

For *In vitro* diagnostic use.

Gloves should be worn during staining procedure.

Good general microbiology techniques should be followed.

These smears are fixed in formalin and therefore pose no biological risk.

Handle Microsporidia Control Slides as you would any other microbiological entity.

Related Product Information:

Catalog # 369 10 Microsporidium Control Slides

Catalog # 1951: StainQuick Stain System - Microsporidia (includes StainQuick unit 250ml stain & 250ml counterstain)

Catalog # 7841: Modified Trichrome Stain for Microsporidia (250 ml bottle)









Catalog # 7842M: Microsporidia Decolorizer/Counterstain (250 ml bottle)

Catalog # 7843: Modified Trichrome Stain Kit for Microsporidia (250 ml bottle of Microsporidia Stain & 250 ml bottle Microsporidia Decolorizer/Counterstain)

References:

Ledford, DK, *et al*, Microsporidiosis myositis in a patient with acquired immunodeficiency syndrome. *Ann Intern. Med* 1985, 102:628-630

Weber, R. *et al* Improved light-microscopical detection of microsporidia spores in stool and duodenal aspirates. *New Eng. J. Med.* 1992, 326:3.

SYMBOL LEGEND	
	Catalog Number
	In Vitro Diagnostic Medical Device
	Consult Instructions for Use (IFU)
	Temperature Limitations (Storage Temp.)
	Batch Code (Lot Number)
	Use By (Expiration Date)
	Quantity Included
	Dimensions

Safety:

Supported Products Page **(QUALITY FILE ONLY)**

This Technical Insert is used for the following products:

SDL Prod ID	Description
184	369 Microsporidia Control Slides 10 slides/pkg

Revision History

CR NUMBER	REVISION
1109-001	00
0210-010	01
0910-002	02
1012-002	03
1017-003	04
0420-001	05