Cryptosporidium 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 Cryptosporidium Control Slides are intended to be part of a quality control program to monitor microbiological stains and techniques involved in identification of Cryptosporidium.

Cryptosporidium species has been recognized as a causative agent of diarrhea. In patients with Human Immunodeficiency Virus (HIV) the organism causes a protracted diarrheal disease. It has also been associated with other types of illnesses.

To aid in the identification of Cryptosporidium, a Modified Acid Fast Stain Set (Kinyoun Stain) should be used.

SDL Cryptosporidium control slides have a positive and negative well. The positive well contains formalin fixed cryptosporidium. The negative well contains formalin fixed normal fecal flora. Both wells contain formalin fixed fecal material.

Components:

Cryptosporidium Control Slides are packaged in a box of 10. (Note: Slides have been fixed in methanol)

Storage:

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

Procedure: SDL's Recommended Procedure:

1. Make a heavy suspension of stool in saline. Filter emulsion through gauze or cheesecloth.
2. Centrifuge at 1500 rpm for 2-3 minutes.
3. Prepare smears from sediment. Allow smears to dry.
4. Fix slides with methanol for 1 minute.
5. Add carbol fuchsin stain to both patient and control slide for 3 minutes and then gently rinse with tap water.
6. Flood slides with decolorizer (10% Sulfuric Acid Solution) until most of the carbol fuchsin stain has run off. Rinse slide with tap water.
7. Apply counterstain (Brilliant Green) to slide for 1 minute and then rinse slides with tap water. Let Slides air dry and coverslip.

Expected Results:

Cryptosporidium species appear as brightly red staining organisms (under high dry) with internal segmented oval bodies within the cell. Background material and normal flora stain green.

Quality Control:

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

Limitations:

The correct time for staining should be properly followed as per vender of stain.

Safety:

Do not use product beyond the expiration date.

These oocysts are highly infective and resistant to most common disinfectants. A fifty percent (50%) commercial bleach is recommended as a routine disinfectant. All work with this organism should be performed with gloves under the biological hood. All remaining material should be autoclaved prior to discarding.

Avoid wiping slide dry with cloth or paper towels

References:

Garcia L.S. et al Techniques for the recovery and identification of Cryptosporidium oocysts from stool specimens. Clin. Micro. 18:185, 1983.

Ma, P. and Soave, R. Three step stool examination for Cryptosporidium in 10 homosexual men with protracted watery diarrhea, J. Inf. Dis. 147:824, 1983.

Anderson, B.C. Cryptosporidiosis, A Review, J.A. Vet. Assn. 180:1455, 19822.

Fitlik, S.D., et al. Human Cryptosporidiosis: Spectrum of disease, Arch. Int. Med. 143:2209, 1983.

Related Product Information:

Catalog # 370: 10 Cryptosporidium Control Slides
Catalog # 373: Cryptosporidium Kinyoun Stain Set (3x60ml)
Catalog # 379: Cryptosporidium Kinyoun Stain Set (3x250ml)

SYMBOL LEGEND

REF	Catalog Number
IVD	In Vitro Diagnostic Medical Device
	Consult Instructions for Use (IFU)
15°C 25°C	Temperature Limitations (Storage Temp.)
LOT	Batch Code (Lot Number)
	Use By (Expiration Date)
Σ	Quantity Included
1 2	Dimensions

Supported Products Page (QUALITY FILE ONLY)

This Technical Insert is used for the following products:

SDL Prod ID			
185	370 .	Cryptosporidium Control Slide	10 slides/pkg
186	370 .-50F	Cryptosporidium Control Slide (FISHER ONLY)	50 slides/pkg

Revision History

CR NUMBER	REVISION
0809-007	00
1009-002	01
0210-005	02
0210-010	03
0610-001	04
0810-004	05
0910-002	06
0613-003	07
1017-003	08
0420-001	09