

## KOH Fungal Control

### Manufacturer/Supplier:

**Scientific Device Laboratory**  
411 Jarvis Ave, Des Plaines, IL 60018 USA  
**General and Technical Information**  
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### Intended Use:

The SDL KOH Fungal Control is intended to be part of a quality control program for the Potassium Hydroxide (KOH) Prep, for fungal dermatitis.

### Summary and Explanation:

The SDL KOH Fungal Control is a 1 ml suspension that contains fixed mycelia and spores from an *Aspergillus species* along with other cellular debris. This makes an ideal control to compare with skin scrapings.

### Principle of the Procedure:

The standardized protocol for analyzing a fungal dermatitis is to place a drop of 10% Potassium hydroxide (KOH) on a microscope slide that contains a skin scraping. When heated the KOH dissolves the interfering epithelial cells so that fungal elements are seen more easily. This helps aide in the identification of the fungus present in skin. An addition of Methylene blue can be used to help highlight the mycelia.

### Components:

A bottle that contains 1 ml of KOH Fungal Control Liquid.

### Warnings:

Do not use product beyond the expiration date. Mix vial well before using.

### Storage:

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

### Procedure:

Place the material (example: skin scraping) to be examined on a clean microscope slide.  
Invert KOH Fungal Control vial several times.  
Place a drop of SDL KOH Fungal Control material on another slide.  
Place a drop of 10% KOH on each microscope slide and heat until steam is seen.  
Optional Step: Add a drop of Methylene blue on each slide.  
Do not allow slide to dry.  
Place a cover slip over each preparation.  
Observe slide preparations immediately under bright-field or phase contrast microscopy. Adjust the phase contrast so that filaments easily reflect the light.

### Expected Results:

Fungal mycelia appear as reflected strands under bright-field microscopy or phase contrast microscopy. Few if any epithelial cells should be present.

### Quality Control:

A quality control should be performed on each lot prior to use. Results should be recorded in a quality control book.

### Limitations:

**Caution:** Do not over heat smear so that KOH solution is boiling.  
Do not allow slide to dry before cover slipping.

### Safety:

For *In vitro* diagnostic use only. See SDS for additional information.  
Good general microbiology techniques should be followed.  
Gloves should be worn when making smears.  
Safety goggles or glasses must be worn.









### References:

Isenberg, H. Clinical Microbiology Procedures, ASM Press, 1992.

### Related Product Information:

Catalog # 6025: KOH Fungal Control (1 ml bottle) (two year expiration)  
Catalog # 751: 10% KOH (6 bottles that contain 3.5ml)

### 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

## Supported Products Page (QUALITY FILE ONLY)

This Technical Insert is used for the following products:

Catalog # 6025: KOH Fungal Control (1 ml bottle) (two year expiration)

Catalog # 751: 10% KOH (6 bottles that contain 3.5ml)

### Revision History

CR NUMBER	REVISION
0809-005	00
1009-002	01
0810-003	02
1017-003	03
0420-011	04