

## Intended Use

MycLast Red stain and Mounting Medium, by Biorex Labs, is intended for the preservation and permanent record keeping of fungal slide preparations in clinical, research and industrial mycology laboratories.

## Summary and Explanation

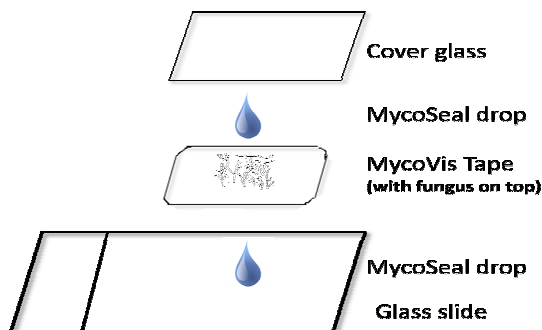
MycLast Red is used as an all-in-one staining, clearing and mounting agent for fungal elements in a Mycology laboratory. It stains fungal elements red and is superior to traditional lacto-phenol blue stain because fungal cell walls stand out clearer due to the refractive index of the red stain which is further from that of the hyaline cell walls of the fungi. The preparation dries in few hours and can be stored permanently without any additional steps. Any excess amount that spreads outside the cover glass can be scraped off by a sharp object or a razor after the preparation has been dried overnight. MycoLast preparation is fungicidal and contains water soluble plasticizing polymers.

## Method:

1. With a teasing needle place a small portion of the fungal elements on a Microscope slide (avoid the growth medium).
2. Overlay with a drop of MycoLast.
3. Apply the cover glass and examine under a microscope.
4. Dry overnight before storing the slide.

## Alternatively:

1. Use MycoVis Tape (has a sticky surface) Cat. No. 7310 and press gently against a fungal colony with sticky side toward the fungus.
2. Place a drop of MycoLast onto the Slide.
3. Position the MycoVis tape, with the fungus on top, on the drop. Place a second drop on top of the fungus and apply the cover Glass. Let Stand for 15 minutes and observe under the microscope.
4. Dry overnight before storing the slide.



## Materials required but not provided

Glass slide, cover glass, mycology teasing needle and MycoVis Tape are needed.

## Precautions and Warnings

The MycoLast stain and mounting medium is intended for use by properly trained individuals. Always follow the standard laboratory aseptic technique and safety protocol to handle infectious materials which includes wearing gloves, safety goggles, and a lab coat. MycoLast stain and mounting medium contains corrosive chemicals. Any spill should be wiped with a paper towel followed by rinsing with water. The reagent may cause irritation to skin; eyes and respiratory tract therefore avoid direct contact and inhaling vapor. Use of a Biosafety hood is advised for handling all infectious agents.

## Limitations:

MycLast Red is intended for the staining and mounting of cultures only. It is not intended for the examination of clinical specimens containing cells or tissues which will be denatured by the phenol content of the reagent causing artifacts and resulting in a cloudy preparation.

## Quality Control

A saprophytic fungus or any control mycology isolates should used to test the quality of each bottle of MycoLast stain and mounting medium. All fungal elements should stain bright red after a waiting period of 10-15 minutes. Follow the instructions under "Procedure".

## References:

1. Patrick R. Murray, Ellen Jo Baron, James H. Jorgensen, Marie Louise Landry, Michael A.Pfaller, Manual of Clinical Microbiology, 9th ed.: American Society for Microbiology, 2007.
2. James L. Harris; Safe, Low-Distortion Tape Touch Method for Fungal Slide Mounts; J Clin Microbiol. 2000 December; 38(12): 4683-4684.
3. Larone, Davise, H. 1995. Medically important fungi, 3rd ed. ASM Press, Washington, D.C.
4. Perry JL; Miller GR; Quality Control Slide for Potassium Hydroxide and Cellufluor Fungal Preparations J. Clin. Microbiol. 1989, 27(6):1411.

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