

# MYCO-FIX

## BLUE K70001 & RED K70001R

### DISCUSSION:

MYCO-FIX is a modification of the traditional Lactophenol Cotton Blue Stain, (1,2,3) traditionally used as a mounting medium, stain, and clearing agent for the identification of dimorphic fungi. MYCO-FIX makes a slide preparation that will last many years without the trouble of using clear fingernail polish and separate stain. Clearing, staining, and mounting is achieved in one easy step. K70001R contains Basic Fuchsin which creates a red stain instead of blue. Some fungi will be easier to see with the red stain.

### STORAGE:

Store at room temperature, tightly sealed to reduce evaporation

### INSTRUCTIONS: (CULTURES)

1. Place a small drop of MYCO-FIX onto a clean glass slide.
2. Place either a coverslip from a slide culture or a MYCO-TAPE preparation over the drop and gently spread the fluid to eliminate air bubbles. MYCO-FIX will kill and stain fungi.
3. Allow the slide to dry on a flat surface overnight.
4. Observe slide under high or low power. Dry slides may be read under oil immersion. Fungal elements will stain a blue color allowing easy observation.

### CLEAN UP:

Excess MYCO-FIX may be cleaned by scraping off with a razor blade after overnight drying. MYCO-FIX is water soluble.

### QUALITY CONTROL:

Each batch of MYCO-FIX should be tested using an actively growing mold. Gently press the glue side of the MYCO-TAPE against the fungal colony/growth then lay it flat over the drop of MYCO-FIX already placed on a microscope slide following steps 2 to 4 above.

### References:

1. McInnis M.R., Laboratory handbook of medical mycology, New York: Academic Press (1980)
2. Larone D.H., Medically important fungi: a guide to identification. Washington DC: ASM Press (1995)
3. Rhodes, Karen, The 5-minute Veterinary Consult Clinical Companion: Chapter 12-14, 2002



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