

Lactic Acid pH enol Cotton Blue Staining Solution

Cat #: A-CSH356

Size: 50mL, 100mL

Storage: Room temperature, avoid light (12 months)

Product Composition

Component	Size		Store at
Lactate phenol cotton blue staining solution	50ml	100ml	10~30°C, and were protected from light

Product Description

Molds are a collective term for fungi that form branched hyphae, commonly known as "moldy fungi." They often form extensively branched mycelia but do not produce large fruiting bodies like mushrooms. Mold hyphae are relatively thick, and their spores can be dispersed in the air. Therefore, lactophenol cotton blue staining solution is commonly used for making specimens.

The lactophenol cotton blue staining solution has the following characteristics: it does not deform cells, has bactericidal properties, does not dry easily, and can be preserved for a relatively long time. It is an important basis for the morphological classification of mold hyphae and spores.

Usage

1. Smear: Label the glass slide and add 2-3 drops of lactophenol cotton blue staining solution to the center of the slide.
2. Using a sterilized inoculating loop or toothpick, collect a small piece of fungal colony with particles or colored portions.
3. Place the collected sample in the lactophenol cotton blue staining solution on the glass slide and mix well.
4. Cover with a clean coverslip and gently press to make a squash preparation.
5. Observe the fungal morphology under a light microscope at low magnification, high magnification, or oil immersion.

Staining Results

Spores and hyphae in fungal staining (especially <i>Aspergillus fumigatus</i>)	blue
background	nattier blue

Notes

1. Before smearing, it is advisable to make a circular mark on the back of the slide to determine the position for subsequent experiments.
2. When collecting bacteria, personal protection should be taken into consideration.
3. The culture time of the bacteria under examination can also affect the staining results. Prolonged culture time of positive bacteria, bacterial death, or bacterial dissolution often result in negative reactions.
4. The reagents can be irritating to the human body, so appropriate precautions should be taken.
5. For your safety and health, please wear laboratory attire and disposable gloves while performing the procedure.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.