

## 乳酸酚棉蓝染色液

货号：G1600

规格：100mL

保存：室温，避光保存，有效期1年。

### 产品介绍：

霉菌(molds)是形成分枝菌丝的真菌的统称，意即“发霉的真菌”，它们往往能形成分枝繁茂的菌丝体，但又不象蘑菇那样产生大型的子实体。霉菌菌丝较粗大、孢子容易在空气中飘散，所以制标本时常用乳酸酚棉蓝染色液。

Solarbio 乳酸酚棉蓝染色液特点是：细胞不变形，具有杀菌功能，且不易干燥，能保持较长时间，是霉菌菌丝、孢子的形态分类的重要依据。

### 自备材料：

酒精灯、载玻片、盖玻片、学显微镜、接种环或挑取细菌的其他工具。

### 操作步骤：(仅供参考)

1. 涂片：载玻片编号，于载玻片中央滴加 2~3 滴乳酸酚棉蓝染色液。
2. 用灭菌接种环或牙签等器具取一小块有颗粒或颜色部分真菌菌落。
3. 放入载玻片上的乳酸棉蓝染色液中，混匀。
4. 加盖洁净的盖玻片，轻轻按压制成压片。
5. 光学显微镜在低倍、高倍或油镜下观察真菌形态。

### 染色结果：

|                  |     |
|------------------|-----|
| 真菌（尤其是烟曲霉菌）孢子与菌丝 | 蓝色  |
| 背景               | 淡蓝色 |

### 注意事项：

1. 涂片之前，应事先在背面做好圆圈标记，以便判断后续试验的位置。
2. 取细菌时，应注意自我防护。
3. 待检细菌培养时间也会影响染色，阳性菌培养时间过长或已死亡或细菌溶解，都常呈阴性反应。
4. 试剂均对人体有刺激性，请注意适当防护。
5. 为了您的安全和健康，请穿实验服并戴一次性手套操作。





# Lactophenol Cotton Blue Stain Solution

**Cat:** G1600

**Size:** 100mL

**Storage:** RT, avoid light, valid for 1 year.

## Introduction

Molds are the general name of fungi that form branching hyphae, which means "moldy fungi". They often form branching and luxuriant hyphae, but they do not produce large fruiting bodies like mushrooms. Because the mycelium of mould is bulky and spores are dissolved in air, Lactophenol Cotton Blue Stain Solution is often used in specimen preparation.

Lactophenol Cotton Blue Stain Solution is characterized by the fact that the cells are not deformed, have sterilization function, are not easy to dry, and can be kept for a long time, which is an important basis for the morphological classification of mycelia and spores of molds.

## Self Provided Materials

Alcohol lamp, slide, cover glass, alcohol lamp, optical microscope inoculation ring or other tools for picking up bacteria.

## Protocols(for reference only)

1. Smear: make number of slides, add 2-3 drops of Lactophenol Cotton Blue Stain Solution in the center of slide.
2. Use sterilized inoculation ring or toothpick and other instruments to take a small piece of fungus colony with particles or color part.
3. Put it into the Lactophenol Cotton Blue Stain Solution on the slide and mix well.
4. Cover the clean cover glass, and press it gently to make a tablet.
5. View the morphology of fungi under optical microscope at low, high or oil power.

## Result

|  |            |
|--|------------|
| Spores and hyphae in fungal (especially <i>Aspergillus fumigatus</i> ) | Blue       |
| Background   | Light Blue |

## Note

1. Before smearing, circle marks shall be made on the back in advance to judge the position of subsequent tests.
2. When taking bacteria, pay attention to self-protection.
3. The culture time of the bacteria to be tested will also affect the staining. If the culture time of the positive bacteria is too long or dead or the bacteria are dissolved, it will often show negative reaction.
4. The reagent is irritant to human body, please pay attention to proper protection.
5. For your safety and health, please wear experimental clothes and disposable gloves.

