

植物组织染色试剂盒（Delafield 苏木素-番红法）

货号：G4806

规格：3×50mL

保存：室温，避光保存，有效期 1 年。

产品组成：

名称	3×50mL	保存
试剂(A): Delafield 苏木素染色液	50mL	室温，避光
试剂(B): 酸性分化液	50mL	室温
试剂(C): 番红染色液	50mL	室温，避光

产品介绍：

植物组织染色有多种方式，其操作流程和动物组织染色类似，Delafield 苏木素是非木质化组织的良好染色剂，可与番红对染，对多种植物病害组织染色能够取得良好的效果。

Delafield 苏木素-番红植物组织染色试剂盒主要由 Delafield 苏木素、番红染色液等组成，寄主木质化组织可染成红色，菌丝等染成蓝色。该试剂仅用于科研领域，不用于临床诊断或治疗。

自备材料：

系列乙醇，蒸馏水

操作步骤：（仅供参考）

1. 常规固定，制成石蜡切片。
2. 切片脱蜡至蒸馏水。
3. 入 Delafield 苏木素染色液 30min，蒸馏水洗 2 次，每次 5-10s。
4. 酸性分化液分化 3-5s，蒸馏水返蓝 10min。
5. 番红染色液复染 1h。
6. 蒸馏水快速冲洗掉多余染液。
7. 75%、85%、95%、100%乙醇快速脱水，每级 3-5s，二甲苯透明，中性树胶封片，镜检观察。

染色结果：

木质化、栓化、角质化组织	红色
非木质化组织、菌丝	蓝色

注意事项：

1. Delafield 苏木素和番红染色液均可回收利用，进行二次染色。
2. 染色时间不是唯一的，随组织种类、切片厚度不同等有所增减。
3. 建议正式实验前开展预实验，确定最佳染色时间。
4. 为了您的安全和健康，请穿好实验服并戴一次性手套操作。

Plant Tissue Staining Solution Kit (Delafield Hematoxylin-Safranin O Method)

Cat: G4806

Size: 3×50mL

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

Kit Components

Reagent	3×50mL	Storage
Reagent (A): Delafield Hematoxylin Solution	50mL	RT, avoid light
Reagent (B): Acid Differentiation Solution	50mL	RT
Reagent (C): Safranin O Solution	50mL	RT, avoid light

Introduction

There are many ways to dye plant tissue, and its operation process is similar to that of animal tissue. Delafield hematoxylin is a good dye for non lignified tissue, which can be dyed with safranin O, and can achieve good results in dyeing a variety of plant disease tissues.

This kit is mainly composed of Delafield Hematoxylin Solution and Safranin O Solution Kit. The host lignified tissue can be dyed red and the mycelium can be dyed blue. The reagent is only used in scientific research and is not used for clinical diagnosis or treatment.

Self Provided Materials

Distilled water, series of ethanol

Protocol (for reference only)

1. Fix plant tissues routinely and make into paraffin sections.
2. Dewax to distilled water.
3. Stain with Delafield Hematoxylin Solution for 30min and wash with distilled water twice for 5-10s each time.
4. Differentiate with Acid Differentiation Solution for 3-5s and blue with distilled water for 10min.
5. Redyeing with Safranin O Solution for 1h.
6. Rinse off excess dye quickly with distilled water.
7. Dehydrate in 75%, 85%, 95% and 100% ethanol rapidly each for 3-5s, transparent by xylene, seal with resinene. Finally view under the microscope.

Result

Lignified, embolic and keratinized tissue	Red
Non lignified tissue and mycelium	Blue

Note

1. Delafield Hematoxylin Solution and Safranin O Solution can be recycled for secondary dyeing.
2. The staining time is not fixed, can increase or decrease with different tissue types and slice thickness.
3. It is suggested to carry out pre experiment before formal experiment to determine the best dyeing time.
4. For your safety and health, please wear experimental clothes and disposable gloves.