

## Cole 苏木素染色液（常规染色）

货号：G1140

规格：100mL/500mL

保存：室温，有效期至少 1 年。

### 产品介绍：

苏木素是组织化学和免疫组织化学中最常用的染料之一，可以广泛用于组织切片或培养细胞的染色。本染色液可以和免疫荧光染色或免疫组化染色等配合使用。可以在苏木素染色液染色后进行免疫荧光染色或其它染料的染色，也可以在免疫组化染色后再进行苏木素复染。染色步骤简单，操作时间短。苏木素染色后细胞核呈现蓝色。

### 操作步骤：（仅供参考）

#### 1. 样品处理

石蜡切片：二甲苯中脱蜡 2 次每次 5-10min。系列乙醇（100%、95%、85%、75%）复水，每梯度 3min。蒸馏水 2min。

冰冻切片：取出恢复至室温后蒸馏水浸洗 2min。

培养细胞：用 4%多聚甲醛固定 10min 以上。蒸馏水清洗 2 次，每次 2min。

#### 2. 苏木素（HE）染色

对于上述处理好的样品，用苏木素染色 5-10 分钟（可以根据染色结果和要求调整时间），蒸馏水洗去多余染色液，自来水返蓝 10min 或使用返蓝液返蓝 3-5min。

#### 3. 脱水、透明、封片或进行其它染色

##### ① 脱水、透明、封片：

95%乙醇脱水 2 分钟，换用新鲜的 95%乙醇再脱水 2 分钟；二甲苯透明 5 分钟，换用新鲜的二甲苯，再透明 5 分钟，用中性树胶或其它封片剂封片。显微镜下观察，细胞核呈蓝色。

##### ② 进行其它染色：

如果进行免疫荧光染色或荧光染料染色，在苏木素染色后，70%乙醇洗涤 2 次，每次 2 分钟。再用 PBS 或生理盐水或 TBS 或 TBST 等用于荧光染色的溶液浸泡 5 分钟。然后就可以进行免疫荧光染色或其它荧光染料的染色了。

### 注意事项：

1. 第一次使用本试剂时建议先取 1-2 个样品做预实验。样品数量很多时，可使用染色架和染色缸，以便于操作。
2. 本产品亦可反复使用多次，但染色效果会逐渐降低。
3. 染色过程推荐浅染，通常只需能够分辨细胞核即可，颜色过深有可能影响细胞质颜色。
4. 为了您的安全和健康，请穿实验服并戴一次性手套操作。

### 相关产品：

G1100 伊红染色液(HE 染色)

G1120 苏木素伊红(HE)染色试剂盒

G1010 姬姆萨染色液（工作液）

G1040 瑞氏染色液

## Cole's Hematoxylin Solution (For Conventional Stain)

**Cat:**G1140

**Size:**100mL/500mL

**Storage:**RT, valid for at least 1 year.

### Introduction

Hematoxylin is one of the most commonly used dyes in histochemistry and immunohistochemistry, which can be widely used for staining tissue sections or cultured cells. The staining solution can be used in combination with immunofluorescence staining or immunohistochemical staining. It can be stained with immunofluorescence or other dyes after hematoxylin staining solution, or it can be re-stained with hematoxylin after immunohistochemical staining. The dyeing process is simple and the operation time is short. The nucleus is blue after hematoxylin staining.

### Protocol(for reference only)

#### Sample Treatment

For paraffin section: dewax in xylene twice for 5-10mins each. Rehydrate with series ethanol (100%,90%,80%,70%) for each level 3mins,and finally in distilled water for 3mins.

For frozen section: restore to RT and wash with distilled water for 2mins.

For cultured cell: fix with 4% PFA for more than 10mins.Then wash with distilled water twice for 2mins each.

#### Hematoxylin (HE) Staining

For the above treated samples, dye with Cole's Hematoxylin Solution (For Conventional Stain) for 5-10 min (the time can be adjusted according to the dyeing results and requirements), and then wash the remaining dye solution with tap water for about 10 min. Wash again with distilled water (for a few seconds).

#### Dehydration, Transparency, Sealing or Other Staining

##### a. Dehydration, transparency, sealing

- ① 95% ethanol twice each for 2 min.
- ② Transparent with xylene twice each for 5 min.
- ③ Seal with resinene or other sealing agent.
- ④ View under the microscope, the nucleus is blue.

##### b. Other Staining

If immunofluorescence staining is carried out, after dyeing with Hematoxylin, wash twice with 70% ethanol for 2min each time, then soak in PBS or physiological saline, TBS, TBST and other solutions for immunostaining or fluorescent dye staining for 5min, then can conduct immunofluorescent staining or other staining.

### Note

1. The dye solution can be reused many times. When the effect is not good, can replace with the new dye solution. When there are a large number of samples, a dyeing frame and a dyeing cylinder can be used for easy operation.
2. When using this reagent for the first time, it is recommended to take 1-2 samples for pre-test.
3. For your safety and health, please wear experimental clothes and disposable gloves.

### Related Products

G1100 Eosin Y Stain Solution, For HE

G1010 Gimesa Stain Solution(Working Solution)

G1040 Wright Stain Solution

G1120 Hematoxylin-Eosin(HE) Stain Kit