V02

伊红染色液(HE染色)

货号：G1100
规格：100mL/500mL
保存：室温，避光保存，有效期 1 年。

产品介绍：

伊红(Eosin)又称曙红，是一种酸性生物染料，主要使细胞质和细胞外基质中的成分着红色。索莱宝生产的伊红染色液操作简单，不使用汞、甲醇等有毒试剂，可以用于组织切片或培养细胞的染色，染色后细胞浆呈粉红色或红色。本染色液可以和免疫荧光染色或免疫组化染色配合使用。染色过程需要优化，着色情况与组织或细胞的种类有关，也随其生活周期及病理变化而改变。本产品为工作液，可直接使用。

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. 伊红染色

① 伊红染色液染色染色 2-5min(可以根据染色结果和实验要求调整时间)。
② 蒸馏水快速洗 2-3s。
③ 75%、85%、95％乙醇逐级浸洗，每级 2-3s。
④ 100％乙醇（I）2-3s，100％乙醇（II）1min。
⑤ 二甲苯透明 2 次，每次 1min。
⑥ 中性树胶封固，镜下观察。

注：如果用于免疫组化等染色后的复染，可以参考上述步骤在其它染色完成后直接进行伊红染色。

3. 进行其它染色

如果进行免疫荧光染色，伊红染色液染色后，蒸馏水洗去多余染料，自来水浸泡 5min。70％乙醇洗涤 2 次，每次 2min,再用PBS或生理盐水、TBS、TBST等用于免疫染色或荧光染料染色的溶液浸泡 5min，然后就可以进行免疫荧光染色或其它的染色。

注意事项：

1. 染色液可以重复使用多次，认为效果不佳时再更换新的染色液。样品数量很多时，可使用染色架和染色缸，以便于操作。
2. 第一次使用本试剂时建议先取 1-2 个样品做预实验。
3. 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：

G1010　姬姆萨染色液（工作液）
G1040　瑞氏染色液
G1120　苏木素伊红(HE)染色试剂盒
G1140　Cole苏木素染色液(常规染色)
P2100　10×多聚赖氨酸

Tel: 400-968-6088　https://www.solarbio.com　E-mail: sales-china@solarbio.com
Address: No. 85, Liandong U Valley, Middle Zone, 101102, Tongzhou Dist, Beijing, China

Eosin Y Stain Solution, For HE

Cat: G1100
Size:100mL/500mL
Storage: RT, avoid light, valid for 1 year.

Introduction

Eosin is an acidic dye that interacts with the cytoplsmic proteins rich in basic amino acids to from a complex red-pink brilliant. Eosin Y Stain Solution, Water Solvent is a ready-to-use solution that can be used for routine staining in the hematoxylin-eosin staining process (H&E). The H&E staining is the most frequently used staining method for histological material.

Protocol(*for reference only*)

1. Sample Treatment

For paraffin section: dewax in xylene twice for 5-10min each. Rehydrate with series ethanol (100%,95%,85%,75%) for each level 3min,and finally in distilled water for 3min.

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

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

2. Esoin Staining

① Staining with Eosin for 2-5 min (the time can be adjusted according to the staining results and experimental requirements).

② Quickly wash the excess dye with distilled water for 2-3s.

③ Dehydrate with series ethanol(75%,85%,95%) for 2-3s each.

④ 100% ethanol (I) for 2-3s,100% ethanol (II) for 1 min.

⑤ Wash with xylene twice for 1 min each.

⑥ Seal with resinene and view under the microscope.

Note: if it is used for re-staining after immunohistochemical staining, you can refer to the above steps to directly carry out eosin staining after other staining.

3. Other Staining

If immunofluorescence staining is carried out, after dyeing with eosin, wash the excess dye with distilled water and soak in tap water for 5min. 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 immunofluorescent staining or other staining can be carried out.

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

G1010 Gimesa Stain Solution(Working Suit)
G1040 Wright Stain Solution
G1120 Hematoxylin-Eosin (HE) Stain Kit
G1140 Cole's Hematoxylin Solution (For Conventional Stain)
P2100 10×Polylysine