

Weigert 铁苏木素染色液

货号: G1142

规格: 2×50mL/2×100mL/2×500mL

保存: 室温, 避光保存, 有效期 1 年。

产品组成:

名称	2×50mL	2×100mL	2×500mL	保存
试剂(A): Weigert 苏木素染色液 A	50mL	100mL	500mL	室温, 避光
试剂(B): Weigert 苏木素染色液 B	50mL	100mL	500mL	室温, 避光
使用前, 取 A 液和 B 液等量混合配制 Weigert 苏木素染色液, 现用现配, 不宜提前配制				

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细胞核染色。VG (Van Gieson) 染色是最早用来区分胶原纤维和肌纤维的传统优良染色法, 将其双重染色; 染色后胶原纤维呈鲜红色, 肌纤维、神经胶质细胞胞质和红细胞呈黄色, Weigert 铁苏木素染色液主要应用于细胞核染色后需要酸处理的技术中, 可以和 VG 染色配合使用, 染色后细胞核呈蓝色或棕蓝色。

操作步骤: (仅供参考)

Weigert 苏木素使用前取 A 液和 B 液等份混合配制 Weigert 苏木素染色液, 4 个小时内用完。

1. 切片常规脱蜡至水。
2. 用 Weigert 苏木素染色大约 10-20min (可根据预实验结果适当优化调整), 蒸馏水洗去多余染液。
3. (可选) 使用 0.5%-1% 盐酸乙醇分化液分化 5-10s, 肉眼可看到组织微微变红。蒸馏水洗去分化液。
4. 自来水洗返蓝 5-10min。
5. 蒸馏水稍洗 1min。
6. (可选) 使用复染液 (改良 VG 染色液) 染色 0.5-2min。
7. (可选) 蒸馏水速洗 5-10s 去除多余染液。
8. 从 75% 乙醇开始逐级快速脱水, 每级 3-5s, 二甲苯透明两次, 每次 1min, 中性树胶封片, 镜检观察拍照。

染色结果:

细胞核	蓝色至黑色
胶原纤维	红色
肌肉纤维和背景	黄色

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. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。





Weigert's Hematoxylin Stain Kit

Cat : G1142

Size: 2×50mL/2×100mL/2×500mL

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

Kit Components

Reagent	2×50mL	2×100mL	2×500mL	Storage
Reagent A: Alcoholic Hematoxylin Solution	50mL	100mL	500mL	RT, avoid light
Reagent B: Acid Ferric Chloride Solution	50mL	100mL	500mL	RT, avoid light
Mix equal parts of Reagent A and B to form Weigert's Hematoxylin Working Solution before use. This working solution is stable for about 24 hours.				

Introduction

Hematoxylin is one of the most commonly used dyes in histochemistry and immunohistochemistry. It can be widely used for nuclear staining of tissue sections or cultured cells. VG(Van Gieson)Staining is the first traditional fine staining method used to distinguish collagen fiber and muscle fiber, which is double stained. After staining, collagen fiber is bright red, muscle fiber, glial cell cytoplasm and red blood cell are yellow. Weigert's Hematoxylin Stain Kit is mainly used in the technology of acid treatment after nuclear staining, which can be used in combination with VG staining. After staining, the cell nucleus is blue or brownish blue.

Protocol(for reference only)

1. Dewax to distilled water.
2. Stain with Weigert's Hematoxylin Working Solution for 10-20 min. (Can be optimized and adjusted appropriately based on the pre experimental results). Rinse with distilled water to remove excess dye solution.
3. Treat with 0.5%-1% hydrochloric acid ethanol differentiation solution for 5-10 seconds, the tissue can be seen to turn slightly red with the naked eye. Rinse with distilled water to remove the differentiation solution.
4. Blue in tap water for 5-10 min.
5. Rinse with distilled water for 1 min.
6. (Optional) Stain with counterstain solution (modified VG staining solution) for 0.5-2 min.
7. (Optional) Quickly wash with distilled water for 5-10 seconds to remove excess dye solution.
8. Starting from 75% ethanol, rapidly dehydrate step by step, with 3-5 seconds for each. Transparent by xylene twice, each time for 1 min. Seal with neutral gum, and view and photograph under the microscope.

Result

Nucleus	Blue to Black
Collagen	Red
Muscle Fibers, Cytoplasm	Yellow

Note

1. When using this reagent for the first time, it is recommended to take 1-2 samples for pre-test. When there are a large number of samples, the dyeing rack and cylinder can be used for easy operation.
2. For your safety and health, please wear laboratory clothes and disposable gloves.

