

Carazzi 苏木素染色液

货号: G4510

规格: 100mL

保存: 2-8℃, 避光保存, 有效期 6 个月。

产品介绍:

苏木素(Hematoxylin)和伊红(Eosin)联合染色简称 HE 染色, 是病理学和组织学最常用的一种染色方法。苏木精为碱性天然染料, 可使细胞核着色。细胞核内染色质的主要成分是 DNA, 在 DNA 的双螺旋结构中, 两条核苷酸链上的磷酸基向外, 使 DNA 双螺旋的外侧带负电荷, 呈酸性, 很容易与带正电荷的苏木精碱性染料以离子键或氢键结合而被染色。

Carazzi 苏木素染色液主要由苏木素、硫酸铝钾等组成, 属于明矾苏木素液的一种, 染色液中苏木精含量少, 无氧化膜形成, 对细胞核染色很清晰, 不着染胞质和纤维成分, 属进行性染色, 故染色后不需盐酸乙醇分化。

操作步骤: (仅供参考)

1. 切片脱蜡复水。
2. 入 Carazzi 苏木素染色液染色 5min, 蒸馏水洗 10-20s。
3. 自来水洗 10min 返蓝。
4. (可逆) 返蓝液 (G1823、G1840、G1865、G1866) 返蓝 2min, 蒸馏水洗 2min。
5. 复染液 (G1100、G1108、G1106) 复染 30s-2min, 蒸馏水洗 30s。
6. 梯度酒精脱水, 二甲苯透明, 中性树胶封片。

染色结果:

细胞核	蓝色
背景	复染剂的颜色或者不着色

注意事项:

1. 切片脱蜡应尽量干净。系列乙醇应经常更换新液。
2. 冷冻切片染色时间尽量要短。
3. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

Carazzi's Hematoxylin Stain Solution

Cat: G4500

Size: 100mL

Storage: 2-8°C, avoid light, valid for 6 months.

Introduction

Hematoxylin and Eosin combined staining is one of the most common staining methods in pathology and histology. Hematoxylin is an alkaline natural dye, which can stain the nucleus. The main component of chromatin in the nucleus is DNA. In the double helix structure of DNA, the phosphate groups on the two nucleotide chains are outward, making the outer side of the double helix of DNA negatively charged and acidic. It is easy to dye with positively charged hematoxylin basic dye by ion bond or hydrogen bond.

Carazzi's Hematoxylin Stain Solution is mainly composed of hematoxylin, aluminum potassium sulfate, etc. it belongs to a kind of alum hematoxylin liquid. The content of hematoxylin in the dye solution was little, and there was no oxide film. The staining of nucleus is very clear, without staining cytoplasm and fiber components. It belongs to progressive staining, so it does not need hydrochloric acid ethanol differentiation after staining.

Protocol(for reference only)

1. Dewax the section to water.
2. Dye with Carazzi's Hematoxylin Solution for 5mins and wash with distilled water.
3. Blue with tap water for 10min.
4. (optional) Blue with other bluing fluid (like G1823, G1840, G1865, G1866) for 2mins, then wash with distilled water for 2min.
5. Re-dyeing with counterstain (like G1100, G1108, G1106) for 30s-2mins, then wash with distilled water for 30s.
6. Dehydrate with series ethanol, Transparent with xylene and Seal with resinene.

Result

Nucleus	Bluing
Background	Colorless or recording to the counterstain.

Note

1. Slice dewaxing should be as clean as possible. Series ethanol should be replaced frequently.
2. To prevent over staining, the dyeing time of frozen section must be short.
3. For your safety and health, please wear experimental clothes and disposable gloves.