V02

Gill 苏木素染色液(Gill III)

货号：G4490
规格：100mL/500mL
保存：室温，避光保存，有效期 1 年。

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。

Gill 苏木素染色液(GillIII)，属半氧化苏木素染色液，苏木精浓度是 GillI苏木素染色液的 2 倍，属退行性染色，故染色后需盐酸乙醇分化。特别适用于石蜡切片染色，石蜡切片染色时间应大于 15min，较少用于临床诊断的制片染色。该染色液的缺点是黏附的明胶甚至玻片本身都会着色。

操作步骤：（*仅供参考*）

1. 根据实验具体需求操作。
2. 石蜡切片染色时间一般 15~20min，染色后需用盐酸乙醇分化。

注意事项：

1. 切片脱蜡应尽量干净。
2. 系列乙醇应经常更换新液。
3. 冷冻切片染色时间尽量要短。
4. 蓝化液常使用 0.2～1%氨水或 Scott 促蓝液或 0.1～1%碳酸锂溶液。
5. 为了您的安全和健康，请穿实验服并戴一次性手套操作。

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

Hematoxylin Stain Solution, Gill III

Cat: G4490
Size: 100mL/500mL
Storage: RT, avoid light, valid for 1 year.

Introduction

Hematoxylin Stain Solution, GillIII is a nuclear staining solution for histology and cytology. 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.

Gill III is a kind of semi oxidized hematoxylin staining solution, and the concentration of hematoxylin is three times of that of Hematoxylin Stain Solution, GillI.This reagent belongs to retrograde staining, so it needs hydrochloric acid ethanol differentiation after staining. It is especially suitable for paraffin section staining. The staining time of paraffin section should be more than 15 mins, less for clinical diagnosis. The disadvantage of the dye solution is that the adhered gelatin or even the slide itself will be colored.

Protocol(*for reference only*)

1. Operate the follow steps mainly recording to experiment specific requirements.
2. For paraffin section, the dyeing time usually is 15-20min which needs hydrochloric acid ethanol differentiation after staining.

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. The bluing Solution can be replaced by 0.2-1% ammonia water or Scott blue promoting liquid or 0.1-1% lithium carbonate solution.
4. For your safety and health, please wear experimental clothes and disposable gloves.