

Gill 苏木素染色液(Gill I)

货号: G4492

规格: 100mL/500mL

保存: 室温, 避光保存, 有效期 1 年。

产品介绍:

Gill 苏木素染色液是用于组织学和细胞学的核染色液。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(Gill I)属半氧化苏木素染色液, 苏木精含量少, 属进行性染色, 故染色后不需盐酸乙醇分化, 特别适用于细胞学涂片染色。

操作步骤: (仅供参考)

1. 细胞涂片入 95%酒精固定 15min。
2. 自来水轻轻地冲洗 30s。
3. Gill 苏木素染色液(Gill I)染色 1.5-3min, 水洗。
4. 自来水洗 10min 或蓝化液返蓝 15-60s, 蒸馏水洗 30s。(见注意事项 3)
5. 根据实验具体需求操作。

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. 蓝化液可使用 0.2~1%氨水 (G1822) 或 Scott 促蓝液或 0.1~1%碳酸锂溶液 (G1841)。
5. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

Hematoxylin Stain Solution, Gill I

Cat:G4492

Size:100mL/500mL

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

Introduction

Hematoxylin Stain Solution, Gill I 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.

Hematoxylin Stain Solution, Gill I is a semi oxidized hematoxylin staining solution, with a small content of hematoxylin, which belongs to progressive staining, so it does not need hydrochloric acid ethanol differentiation after staining, especially suitable for cytological smear staining.

Protocol(for reference only)

1. Fix the cell smear by 95% ethanol for 15min.
2. Rinse with tap water for 30s.
3. Dye with Hematoxylin Stain Solution, Gill I for 1.5-3min, and then wash with water.
4. Blue with tap water for 10min or bluing solution for 30-45s, and then wash with distilled water for 30s.
5. Operate the follow steps recording to experiment specific requirements.

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 could choose 0.2-1% ammonia water(G1822) or Scott bluing Solution(G1865) or 0.1-1% lithium carbonate solution(G1841).
4. For your safety and health, please wear experimental clothes and disposable gloves.