

迪夫快速染色试剂盒(无固定液)

货号: G1542

规格: 4×250mL

保存: 室温, 避光保存, 有效期 1 年。

产品组成:

名称	4×250mL	保存
试剂(A): 迪夫染色液 I	2×250mL	室温, 避光
试剂(B): 迪夫染色液 II	2×250mL	室温, 避光

产品介绍:

迪夫染色(Diff-Quik Stain)是在 Wright 染色基础上改良而来的一种快速染色方法, 是细胞学检查中常用的染色方法之一。该染色液采用世界卫生组织(WHO)推荐的快速染色方法而配制, 与瑞氏染色类似都是利用 Romanowsky 染色技术原理改良而来的, 染色结果与瑞氏染色液也极其相似, 但迪夫快速染色所需的时间极短, 一般 90s 以内即可完成染色。

迪夫快速染色试剂盒(无固定液)主要用于血细胞涂片、骨髓涂片、阴道分泌物涂片、脱落细胞涂片。Diff-Quik 染色非常适合用于批量浸染, 且背景清晰无沉渣。

操作步骤: (仅供参考)

1. 常规方法制备血液涂片或骨髓涂片, 自然干燥后甲醇固定 20s。
2. 迪夫染色液 I 染色 5-10s。
3. 迪夫染色液 II 染色 10-20s。
4. 水洗后立即趁湿在显微镜下观察。
5. 将观察后认为有价值的片子带回实验室, 用二甲苯透明, 封固、保存。

染色结果:

细胞核、白细胞	深蓝色
基质、淋巴细胞	紫色
细胞质、红细胞	粉红色

注意事项:

1. 血液涂片或骨髓涂片应厚薄均匀, 以免影响染色效果。
2. 血细胞涂片染色要求新鲜全血或 EDTA 抗凝血。
3. 骨髓涂片染色要求制备好的涂片在空气中快速摇动或扇干, 以防止细胞皱缩变形或因空气潮湿而溶血, 不能用高温或火烤来干燥涂片。
4. 阴道分泌物涂片染色要求新鲜标本涂片后, 尽快以火焰或酒精固定, 以免细胞变形。
5. 脱落细胞涂片固定可采用自然干燥或固定液固定。
6. 涂片染色中请勿先去除染液或直接对涂片用力冲洗。不能先倒掉染液, 以免染料沉着于涂片上。
7. 染色液可重复使用, 但不能多次重复, 若有沉淀物应过滤后使用。
8. 染色过深可用甲醇或酒精适当脱色, 最好不复染。
9. 如果染色过深或过浅, 应调整染色时间或工作液浓度。
10. pH 值对染色有一定影响, 载玻片应清洁、无酸碱污染, 以免影响染色效果。

Diff-Quick Stain Kit (No Fixative)

Cat: G1542

Size: 4×250mL

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

Kit Components

Reagent	4×250mL	Storage
Reagent (A): Diff-Quik I	2×250mL	RT, avoid light
Reagent (B): Diff-Quik II	2×250mL	RT, avoid light

Introduction

Diff-Quik Stain is a fast stain method based on Wright Stain, which is one of the common stain methods in cytology. The stain is prepared by the rapid stain method recommended by the World Health Organization (WHO). Similar to Wright stain, it is improved by Romanowsky Stain technology principle. The result of stain is similar to Wright's, the important point is that the time of Diff-Quik Stain is shorter, it can completely stain within 90s.

Diff-Quick Stain Kit (No Fixative) is mainly used for blood cell smear, bone marrow smear, vaginal secretion smear and exfoliated cell smear. Diff-Quik Stain is suitable for batch stain with clear background and no sediment.

Protocols(for reference only)

1. Prepare blood smear or bone marrow smear by routine method, and fix in methanol for 20s after natural drying.
2. Staining with Diff-Quik I for 5-10s (lifting the section up and down for 2-3 times to distribute the stain evenly), take it out immediately.
3. Staining with Diff-Quik II for 10-20s (lifting the section up and down for 2-3 times to distribute the stain evenly), take it out immediately.
4. Observing under the microscope immediately, when it is wet after washing in water. Or observing after dehydration in 95% ethanol for 5s, 100% ethanol (I) for 5s, 100% ethanol (II) for 30s, making it transparent by xylene for 1min and sealing.

Result

Nucleus, Leukocyte	Deep Blue
Matrix, Lymphocyte	Purple
Cytoplasm, Red Blood Cell	Pink Red

Note

1. Blood smear or bone marrow smear should be uniform in thickness, so as not to affect the effect of stain.
2. Blood cell smear stain requires fresh whole blood or EDTA anticoagulant.
3. Bone marrow smear stain requires the prepared smear to be shaken or dried quickly in the air, so as to prevent cell shrinkage and deformation or hemolysis due to air humidity. It is not allowed to dry the smear with high temperature or fire baking.
4. Smear stain of vaginal secretions requires fresh specimens to be fixed with flame or alcohol as soon as possible after smearing to avoid cell deformation.
5. After natural drying, fix it with stain to prevent flaking.
6. Please do not remove the stain or wash the smear directly. Do not pour out the stain first, so as to prevent it from settling on the smear.
7. The stain can be reused, but it can not be repeated many times. If there is sediment, should filter it before using.
8. If the stain is too dark, it can be decolorized properly by methanol or alcohol, and it is better not to be redyed.
9. If the stain is too dark or too light, adjust the time of stain or the concentration of working solution .
10. The pH value has a certain influence on staining. The section should be clean and free of acid and alkali pollution, so as not to affect the effect of stain.