

结晶紫-龙胆紫混合染色液

货号: G1075

规格: 100mL

保存: 室温, 避光保存, 有效期 1 年。

产品介绍:

结晶紫是一种可以和细胞核中的 DNA 结合的碱性染料, 对细胞核染色。三苯甲烷染料和甲基紫是用于验证淀粉样物的第一个人工合成染料。甲基紫是四、五、六甲基副品红碱的混合物, 淀粉样物的染色可能是由于甲基紫选择性地对某种有色成分具有亲和力, 淀粉样物的反应还远远不是特异性的, 因为缺乏同其他组织成分区分的显著的颜色变化。甲基紫染色切片采用水溶性封固剂封固是很必要的, 因为局部的脱水作用会破坏红色的多染性。

结晶紫-龙胆紫混合染色液是一种组织或细胞染色时常用的可以把细胞核染成深紫色的染色液, 含有不同比例的结晶紫和龙胆紫。

自备材料:

系列乙醇、蒸馏水、4%多聚甲醛

操作步骤: (仅供参考)

1. 样品处理:

石蜡切片二甲苯中脱蜡 2 次每次 5-10min。系列乙醇 (100%、95%、85%、75%) 复水, 每梯度 3min。蒸馏水 2min。冰冻切片取出恢复至室温后蒸馏水浸洗 2min。

培养细胞用 4%多聚甲醛固定 10min 以上。蒸馏水清洗 2 次, 每次 2min。

2. 染色:

结晶紫-龙胆紫混合染色液染色 10min (可以根据染色结果和要求调整时间)。

用蒸馏水或自来水充分洗涤, 可进行观察和拍照。

注意事项:

1. 如果需要脱水、透明和封片处理, 需自备二甲苯, 中性树胶或其它封片剂。
2. 第一次使用本试剂时建议先取 1~2 个样品做预实验。
3. 结晶紫和龙胆紫对人体轻微有害, 请注意适当防护。

Crystal Violet - Gentian Violet Stain Solution

Cat: G1075

Size: 100mL

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

Introduction

Crystal violet is an alkaline dye that binds to DNA in the nucleus and stains the nucleus. It is necessary for methyl violet staining sections to be sealed with water-soluble cementing agents, because local dehydration will destroy the red polychromatism.

Crystal Violet - Gentian Violet Stain Solution is a dyeing solution commonly used in tissue or cell dyeing, which can dye the nucleus into deep purple. It is usually used in combination with other dyeing solutions or used after dilution. It contains different proportions of crystal violet and gentian violet.

Self Provided Materials

Gradient ethanol, distilled water, 4% polyformaldehyde

Protocol(*for reference only*)

1. Sample treatment

For paraffin section, dewax in xylene twice for 5-10mins each. Rehydrate with series ethanol (100%,90%,80%,70%) for each level 3mins, and finally in distilled water 3min. For frozen section restore to RT and wash with distilled water for 2mins.

For cultured cell, fix with 4% PFA for more than 10mins. Then wash with distilled water twice for 2mins each.

2. Stain

- 1) Crystal Violet - Gentian Violet Stain Solution dyes for 10 min (the dyeing time could be adjusted according to the dyeing results and requirements).
- 2) View and photograph after fully washing with distilled water or tap water.

Note

1. If dehydration, transparency and sealing are needed, self-prepared xylene, neutral gum or other sealing agents are required.
2. It is suggested to take 1-2 samples for preliminary experiment to determine the dilution ratio and dyeing time of the dye solution before formal experiment.
3. Crystal Violet and Gentian Violet are slightly harmful to human body. Please pay attention to proper protection.