

## 结晶紫甲醇饱和溶液

货号: G1071

规格: 100mL

保存: 室温, 避光保存, 有效期 2 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。结晶紫饱和甲醇溶液由结晶紫、甲醇等组成, 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, 一般和其他染色液配合使用或稀释后使用。建议 10-100 倍稀释。

### 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. 结晶紫染色

对于上述处理好的样品:

结晶紫染色液染色 10 分钟(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后即可进行观察和拍照。

### 注意事项:

1. 第一次使用本试剂时建议先取 1-2 个样品做预实验。以确定染色液的稀释倍数和染色时间。
2. 结晶紫对人体轻微有害, 请注意适当防护。
3. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

# Crystal Violet Saturated Methanolic Solution

**Cat:** G1071

**Size:** 100ml

**Storage:** RT, avoid light, valid for 2 year.

## Introduction

Crystal violet is an alkaline dye that binds to DNA in the nucleus and stains the nucleus. Triphenylmethane stain and methyl violet are the first synthetic dyes, which used to verify amyloids. 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 Saturated Methanolic Solution is composed of crystal violet, methanol and so on. It 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 is recommended to dilute 10-100 times.

## 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 for 3mins.

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. Crystal violet stain

- 1) Crystal Violet Saturated Methanolic 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. 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.
2. Crystal violet is slightly harmful to human body. Please pay attention to proper protection.
3. For your safety and health, please wear experimental clothes and disposable gloves.