

## 亚甲基蓝染色液(0.1%)

货号: G1300

规格: 100mL

保存: 室温, 避光保存, 有效期 1 年。

### 产品介绍:

亚甲基蓝(Methylene blue)又称美蓝、次甲基蓝、次甲蓝等, 是一种芳香杂环化合物。含水亚甲基蓝的分子式为  $C_{16}H_{24}ClN_3O_3S$ , 分子量为 373.9, CAS 号为 7220-79-3。亚甲基蓝染色液常用于丝绸、纸张、细菌、细胞等染色。因其容易氧化, 染色结果不宜长久保存。

### 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. 美蓝染色

①亚甲基蓝染色液(0.1%)染色。

②用蒸馏水或自来水充分洗涤, 进行观察和拍照。

### 染色结果:

组织或细胞	蓝色
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### 注意事项:

- 第一次使用本试剂时建议先取 1-2 个样品做预实验。
- 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

## Methylene Blue Solution , 0.1%

**Cat:** G1300

**Size:** 100mL

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

### Introduction

Methylene blue is an aromatic heterocyclic compound. The molecular formula of aqueous methylene blue is  $C_{16}H_{24}ClN_3O_3S$ , the molecular weight is 373.9, and the CAS number is 7220-79-3. Methylene blue is often used for dyeing silk, paper, bacteria, cells and so on. Because it is easy to oxidize, the dyeing result is not suitable for long-term preservation.

### Protocol(for reference only)

#### 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.

#### Methylene Blue Staining

- ① Stain with Methylene Blue Solution, 0.1%.
- ② Fully wash with distilled water or tap water, then observe and photograph.

### Result

Tissues or Cells	Blue
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### Note

1. When using this reagent for the first time, it is recommended to take 1-2 samples for pretest.
2. For your safety and health, please wear experimental clothes and disposable gloves.