

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滴加亚甲基蓝染色液(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
-------	----

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
------------------	------

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.

