

中性红染色液(0.1% 常规染色)

货号: G1316

规格: 100mL/500mL

保存: 2-8°C, 避光保存, 有效期 1 年。

产品介绍:

中性红是一种弱碱性 pH 指示剂, 变色范围在 pH6.4~8.0 之间(由红变黄)。分子式为 $C_{15}H_{16}N_4 \cdot HCl$, 分子量为 288.78。在中性或微碱性环境中, 植物的活细胞能大量吸收中性红并向液泡中排泌。

中性红染色液(0.1%, 常规染色)是一种组织或细胞染色时常用的可以把细胞核染成红色的染色液, 常用于组织或细胞染色中细胞核的红色复染。

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. 中性红染色

- 对于上述处理好的样品, 用中性红染色液(0.1% 常规染色)染色 30min-1h。
- 用蒸馏水或自来水充分洗涤。
- 进行观察和拍照。

注意事项:

- 如果需要脱水、透明和封片处理, 还需自备系列乙醇和二甲苯, 中性树胶或其它封片剂。
- 首次使用本试剂时建议先取 1~2 个样品做预实验。
- 中性红染色时, 可以根据染色结果和要求调整时间。
- 为了您的安全和健康, 请穿实验服并戴一次性手套操作。





Neutral Red Stain Solution, 0.1%

Cat: G1316

Size: 100mL/500mL

Storage: 2-8°C, avoid light, valid for 1 year.

Introduction

Neutral red acts as a pH indicator, changing from red to yellow between pH 6.8 and 8.0. The molecular formula is $C_{15}H_{16}N_4 \cdot HCl$, and the molecular weight is 288.78. In neutral or slightly alkaline environment, living cells of plants can absorb a large number of neutral red and excrete into vacuoles.

Neutral Red Solution, 0.1% can be used as a red nuclear counterstain in various histological procedures.

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. Neutral Red Solution Staining

- For the above treated samples, stain with Neutral Red Solution, 0.1% for 0.5-1h.
- Rinse briefly in distilled water or distilled water.
- View under the microscope and photograph.

Note

- If dehydration, transparency and sealing treatment are needed, xylene, Series Ethanol and resinene or other sealing agent shall be prepared by oneself.
- When using this reagent for the first time, it is recommended to take 1-2 samples for pre-test.
- When staining with Neutral Red Solution, the time can be adjusted according to the dyeing results and requirements.
- For your safety and health, please wear experimental clothes and disposable gloves.

