

固绿染色液(FCF,0.5%)

货号: G1661

规格: 100mL

保存: 室温, 避光保存, 有效期 1 年。

产品介绍:

固绿(Fast Green FCF)又称坚牢绿 FCF 或快绿, 分子式为 $C_{37}H_{34}N_2O_{10}S_3Na_2$, 分子量为 808.91, CAS 号为 2353-45-9。固绿属于酸性染料, 能染色含有浆质的纤维素细胞组织, 在染细胞和植物组织上应用极广, 是植物组织学最常用的染料之一。它常与番红 O 联合用于显示软骨, 其原理是基于阳离子染料粘多糖中阴离子基团的结合, 嗜酸性的骨和酸性染料固绿结合而呈绿色或蓝色, 与呈现红色的软骨对比鲜明, 从而将软骨组织与骨组织区分开。该试剂亦用于植物标本染色等。

操作步骤: (仅供参考)

根据实验具体要求操作或参考 Solarbio 改良番红 O-固绿软骨染色试剂盒操作。

染色结果:

| | |
|-----|----|
| 骨组织 | 绿色 |
|-----|----|

注意事项:

- 1、首次使用本染液时建议先取1-2个样品做预实验。
- 2、固绿染色可以根据染色结果和要求调整时间。
- 3、为了您的安全和健康, 请穿实验服并戴一次性手套操作。

Fast Green FCF Stain Solution, 0.5%

Cat: G1661

Size: 100mL

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

Introduction

The formula of Fast Green FCF is $C_{37}H_{34}N_2O_{10}S_3Na_2$. Its molecular weight is 808.91 and the CAS number is 2353-45-9. Fast Green FCF is an acid dye, which can dye cellulose cells containing plasma. It is widely used in the dye of cells and plant tissues, and it is one of the most commonly used dyes in plant histology. It is often used in combination with safranin o to display cartilage. Its principle is based on the combination of anionic groups in cationic dye mucopolysaccharide. The eosinophilic bone combines with acid dye to form a green or blue color, which is in sharp contrast with the red cartilage, so as to distinguish cartilage and bone tissue. It is also used for plant specimen dyeing, etc.

Protocol (for reference only)

Operate according to the specific requirements of experiment or refer to the operation of Solarbio Modified Saffron-O and Fast Green Stain Kit.

Result

| | |
|-------------|-------|
| Bone Tissue | Green |
|-------------|-------|

Note

1. When using the dye solution for the first time, it is recommended to take 1-2 samples for pre test before use.
2. Fast Green staining can adjust the time according to the staining results and requirements.
3. For your safety and health, please wear experimental clothes and disposable gloves.