

Clarke 固定液

货号: G2290

规格: 500mL

保存: 室温, 避光保存, 有效期 6 个月。

产品介绍:

固定液主要分为醛类固定液、汞类固定液、醇类固定液、氧化剂类固定液、苦味酸盐类固定液等, 较为常用的是醛类中的福尔马林、醇类中的乙醇。

Clarke 固定液又称 Clarke 溶液, 主要由乙醇、乙酸混合而成, 固定后对于 HE 染色有较好的组织学形态。其优点是可以保护核酸, 其缺点是①易脱去油脂, 因此不适宜脂肪染色的固定; ②适用于短期固定, 并且固定后应将组织移到 95%乙醇中。

操作步骤: (仅供参考)

- 1、按实验具体要求操作。
- 2、一般仅需固定 30-60min。
- 3、如果组织块大, 可适当延长固定时间, 但不宜超过 24h。固定后, 应将组织移到 95%乙醇中。

注意事项:

- 1、组织取材的厚度不同, 固定时间也不同, 对组织恰当的选材有利于固定液的渗透。
- 2、固定液的容量应足够, 一般固定液与组织块的体积比率应大于 10:1。如果容积不够大, 可以在固定期间更换 1-3 次固定液。
- 3、取出新鲜组织后, 应及时固定, 无法及时固定时, 应保存于生理盐水中及时送检。
- 4、为了您的安全和健康, 请穿实验服并戴一次性手套操作。

Clarke Fixative

Cat: G2290

Size: 500mL

Storage: RT, avoid light, valid for 6 months.

Introduction

The fixative can be divided into aldehyde fixative, mercury fixative, alcohol fixative, oxidant fixative, picric acid salt fixative, etc. Formaldehyde in aldehydes and alcohol in alcohols are more commonly used.

Clarke Fixative also known as Clarke Solution, which is mainly composed of ethanol and acetic acid. After fixation, it has a better histological morphology for HE staining. Its advantage is that it can protect nucleic acid, and its disadvantages are that one is easy to remove grease, so it is not suitable for fat staining fixation; the other one is suitable for short-term fixation, and the tissue should be moved to 95% ethanol after fixation.

Protocol(*for reference only*)

1. Operate according to the specific requirements of the experiment.
2. Generally fix for 30-60min.
3. If the tissue block is large, the fixation time can be extended appropriately, but it should not exceed 24 h. After fixation, the section should be removed to 95% ethanol.

Note

1. The fixing time changes due to different thickness of tissue samples. Proper material selection for the tissue is beneficial to the permeation of the fixative.
2. The capacity of the fixative should be sufficient. Generally, the volume ratio of fixative to tissue block should be more than 10:1. If the capacity is not enough, can replace the fixative for 1-3 times during the fixation.
3. After fresh tissue is taken out, it should be fixed in time. If it can not be fixed in time, it should be stored in physiological saline for inspection in time.
4. For your safety and health, please wear experimental clothes and disposable gloves.