

## 中性福尔马林钙固定液

货号: G2147

规格: 500mL

保存: 室温保存, 有效期 1 年。

### 产品介绍:

固定的目的在于保存细胞和组织的原有形态结构, 固定剂能阻止内源性溶酶体酶对自身组织和细胞的自溶、抑制细菌和霉菌的生长。固定剂通过凝固、生成添加化合物等使蛋白质内部结构发生改变, 从而使酶失活。

中性福尔马林钙固定液 pH 为 7.2-7.4, 该固定液适合于绝大多数组织的固定, 对抗原和酶活具有良好的保存效果。

### 操作步骤: (仅供参考)

1. 按实验具体要求操作。一般标本固定时间控制在 1-4h/mm, 大标本应适当延长固定时间。
2. 固定好的组织, 可在中性福尔马林钙固定液或 70%乙醇中长期保存。

### 注意事项:

1. 中性福尔马林钙固定液有一定刺激性和腐蚀性, 请在通风较好的环境下小心操作, 避免吸入。
2. 长期 (间隔 1 个月以上) 不用建议放置阴凉避光处保存。
3. 组织取材的厚度不同, 固定时间也不同。常规活检组织比较适合厚度为 2-4mm, 一般不超过 6mm。对组织恰当的选材有利于固定液的渗透。
4. 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。
5. 温度对固定的影响很明显, 提高温度可以加速固定作用, 但温度不宜过高。
6. 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。
7. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

## Neutral Formalin-Calcium Fixative

**Cat:** G2147

**Size:** 500mL

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

### Introduction

The purpose of fix is to preserve the original morphological structure of cells and tissues. The fixative can prevent the autolysis of endogenous lysosomal enzymes to their own tissues and cells and inhibit the growth of bacteria and molds. The fixative makes the internal structure of the protein change by coagulating and adding compounds, so that the enzyme is inactivated.

The pH of Neutral Formalin-Calcium Fixative is 7.2 to 7.4. The fixative is suitable for fixation of most tissues, and has good preservation effect on antigen and enzyme activity.

### Protocol(for reference only)

1. Operate according to the specific requirements of the experiment. Generally, the fixing time of specimens is 1-4h / mm. The fixing time of large specimens should be extended properly.
2. The fixed tissue can be stored in Neutral Formalin-Calcium Fixative or 70% ethanol for a long time.

### Note

1. Neutral Formalin-Calcium Fixative has certain irritation and corrosiveness. Please operate carefully in ventilated environment.
2. If it is not used for a long time (interval of more than 1 month). It is recommended to store it in a cool and dark place.
3. The fixing time changes due to different thickness of tissue samples. The suitable thickness of conventional biopsy tissue is 2-4mm, generally no more than 6mm. Proper material selection for the tissue is beneficial to the permeation of the fixative.
4. The volume of fixative should be enough. Generally the ratio of fixative and tissue mass should be more than 10:1. If the volume is not enough, can replace the fixative 1-3 times during the fixation.
5. The effect of temperature on fixation is obvious. Increasing the temperature can accelerate the fixation, but the temperature should not be too high.
6. 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.
7. For your safety and health, please wear experimental clothes and disposable gloves.