

## AAF 固定液（适用于成熟组织）

货号：G2350

规格：500mL

保存：室温，避光保存，有效期 1 年。

### 产品介绍：

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。固定剂对细胞和细胞外成分发生物理改变。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。AAF 固定液又称酒精醋酸福尔马林混合固定液或 FAA 固定液，主要由乙醇(A)、乙酸(A)、甲醛(F)组成，兼有脱水作用。

AAF 固定液（适用于成熟组织）常用于组织的快速脱水和固定以及冷冻切片的快速固定。

### 操作步骤：（仅供参考）

- 1、 根据实验的具体要求操作。样本固定时间跟厚度有关，一般按照为 1-4h/mm，其中大部分为 4-24h。大试样的固定时间应适当延长。
- 2、 常规石蜡切片因固定不佳导致染色效果不满意时，可在染色前再用 AAF 固定液固定，染色效果会有明显提高。

### 注意事项：

- 1、 AAF 固定液对人体有一定的损害，请在通风好的环境下小心操作，避免吸入。
- 2、 固定时间随样本厚度不同而变化。通常建议取材厚度为 2-4mm，一般不建议超过 6mm。
- 3、 固定时应添加足量固定液，通常建议为组织体积的 10 倍以上。如果容器容量不够，可以在固定过程中更换固定液 1-3 次。
- 4、 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。
- 5、 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。
- 6、 为了您的安全和健康，请穿戴实验服和一次性手套。

## Alcohol Acetate Formalin(AAF) Mixed Fixative,70%

**Cat:** G2350

**Size:** 500mL

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

### Introduction

The purpose of fixing 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, which is to make the enzyme inactivated. 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.

Alcohol Acetate Formalin(AAF) Mixed Fixative is mainly composed of alcohol, formalin and acetic acid, which belongs to dehydration-crosslinking fixative. It can produce excellent results in the immunohistochemical reaction of identifying specific antibodies, and it is also conducive to the fixation of large samples with a large amount of fat.

### Protocol(for reference only)

1. Operate according to the specific requirements of the experiment. Generally, the fixing time of specimens is 1-4h / mm, most of them are 4-24h. The fixing time of large specimens should be extended properly.
2. When the staining effect of conventional paraffin section is unsatisfactory due to poor fixation, it can be fixed with AAF Fixative before staining, and the staining effect will be significantly improved.

### Note

1. Alcohol Acetate Formalin(AAF) Mixed Fixative has certain irritation and corrosiveness. Please operate carefully in ventilated environment
2. 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.
3. 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.
4. The effect of temperature on fixation is obvious. Increasing the temperature can accelerate the fixation, but the temperature should not be too high.
5. 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.
6. For your safety and health, please wear experimental clothes and disposable gloves.