

## PLPD 固定液

货号: G2210

规格: 500mL

保存: 2-8°C, 避光保存, 有效期 6 个月。

组成:

名称	500mL	保存
试剂(A):氧化剂储备液	100mL	2-8°C, 避光
试剂(B):稀释缓冲液	400mL	2-8°C
临用前按照 A:B=1: 4 的比例混匀即可, 现配现用。		

### 产品介绍:

固定液分为醛类固定液、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。

PLPD 固定液是赖氨酸缓冲的氧化性固定液, 主要由赖氨酸缓冲液和氧化固定成分等组成, 多用于含糖类组织的固定, 尤其适用于免疫电镜中保护抗原性和超微结构。

### 操作步骤: (仅供参考)

- 1、按实验具体要求操作。
- 2、一般需 2-8°C 固定 6-18h。
- 3、如果组织块大, 可适当延长固定时间, 但不宜超过 24h。

### 注意事项:

- 1、PLPD 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、氧化剂储备液不稳定, 如配制的固定液浑浊或变绿不建议使用。
- 3、长期(间隔 1 个月以上)不用建议放置阴凉避光处保存。
- 4、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。
- 5、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。
- 6、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。

## PLPD Fixative

**Cat:** G2210

**Size:** 500mL

**Storage:** 2-8°C, avoid light, valid for 6 months.

### Kit Components

Reagent	500mL	Storage
Reagent (A): Oxidizer Stock Solution	100mL	2-8°C, avoid light
Reagent (B): Dilution Buffer	400mL	2-8°C
Before use, dilute the buffer solution by mixing it in a ratio of A: B=1:4, and use it immediately.		

### 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.

PLPD fixative is a lysine buffered oxidative fixative, mainly composed of lysine buffer and oxidative fixative components. It is mainly used for the fixation of carbohydrate containing tissues, especially for the protection of antigenicity and ultrastructure in immune microscopy.

### Protocol(for reference only)

1. Operate according to the specific requirements of the experiment.
2. Generally fix at 2-8°C for 6-18 h.
3. If the tissue block is large, the fixing time can be extended appropriately, but it should not over 24 h.

### Note

1. PLPD Fixative is harmful for human body, please operate carefully in ventilated environment.
2. The oxidant reserve solution is unstable, and it is not recommended to use it if it becomes cloudy or green.
3. 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.
4. The fixing time changes due to different thickness of tissue samples.
5. The capacity of the fixative should be sufficient. Generally, the volume ratio of fixative to tissue block should be more than 10:1.
6. The effect of temperature on fixation is obvious. Increasing the temperature can accelerate the fixation, but the temperature should not be too high.