

## Mallory 三色染色试剂盒

货号: G1355

规格: 3×50mL

保存: 室温, 避光保存, 有效期 1 年。

### 产品组成:

名称	3×50mL	保存
试剂(A): Mallory 染色液 A	50mL	室温, 避光
试剂(B): Mallory 染色液 B	50mL	室温, 避光
试剂(C): Mallory 染色液 C	50mL	室温, 避光

### 产品介绍:

三色染色通常是指染细胞核和能选择性的显示胶原纤维和肌纤维。该法染色原理与阴离子染料分子的大小和组织的渗透有关: 分子的大小由分子量来体现, 小分子量易穿透结构致密、渗透性低的组织; 而大分子量则只能进入结构疏松的、渗透性高的组织。

Mallory 三色染色试剂盒可将胶原纤维染成蓝色, 细胞核和肌纤维染成红色, 红细胞则被染成橘黄色。

### 操作步骤: (仅供参考)

1. 石蜡切片常规脱蜡复水。
2. 切片滴加 Mallory 染色液 A 染色 3-5min。
3. 切片滴加 Mallory 染色液 B 染色 1-2min。
4. 切片滴加 Mallory 染色液 C 染色 5-10min。
5. 95%乙醇清洗 10-15s。
6. 无水酒精脱水, 二甲苯透明, 中性树胶封片。

### 染色结果:

红细胞	橘红色
肌纤维	红色
胶原纤维	蓝色

### 注意事项:

1. 染色过程中 2/3/4 步之后均不需水洗, 倾去多于染色液后可直接进入下一步操作。
2. 如操作切片较多无法及时操作, 同时避免试剂相互污染, 可在 2/3/4 步之间使用弱酸溶液或 0.5-2%的冰乙酸水溶液进行清洗和暂存。亦可带少量弱酸镜下观察染色结果。
3. 推荐使用重铬酸钾固定液或 bouin 固定液固定组织。如组织易过染可在石蜡切片复水后, 染色前使用 bouin 固定液或 G1349-三色染色媒染液作敏化处理。
4. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。





## Mallory's Trichrome Stain Kit

**Cat:** G1355

**Size:** 3×50mL

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

### Kit Components

Reagent	3×50mL	Storage
Reagent A: Mallory Stain A	50mL	RT , avoid light
Reagent B: Mallory Stain B	50mL	RT , avoid light
Reagent C: Mallory Stain C	50mL	RT , avoid light

### Introduction

Trichrome Stain usually refers to the staining of nucleus and the selective stain of collagen and muscle fibers. The dyeing principle of this method is related to the size of anionic dye molecules and the permeability of the tissues: the size of the molecules is reflected by the molecular weight, and the small molecular weight can easily penetrate the compact and low permeability tissues, while the large molecular weight can only enter the loose and high permeability tissues.

Mallory Trichrome Stain Kit can dye collagen fiber blue, nucleus and muscle fiber red, and red blood cell orange.

### Protocol(for reference only)

1. Dewax paraffin sections and rehydrate in graded of alcohol.
2. Stain with Mallory Stain A for 3-5min.
3. Stain with Mallory Stain B for 1-2min.
4. Stain with Mallory Stain C for 5-10min.
5. Wash by 95% alcohol for 10-15s.
6. Conventional dehydration, transparentize by xylene.
7. Seal with resinene.

### Result

Red blood cell	Orange
Muscle fiber	Red
Collagen fiber	Blue

### Note

1. In the dyeing process, go directly to the next step after 2/3/4 steps without washing.
2. If there are too many slices to be operated in time, and the reagents can not be contaminated with each other at the same time, the weak acid solution or 0.5-2% glacial acetic acid aqueous solution can be used between 2/3/4 steps for cleaning and temporary storage. The staining results can also be observed with a small amount of weak acid under the microscope.
3. It is recommended to use potassium dichromate fixative or bouin fixative to fix tissues. If the tissue is easy to be over-stained, it can be sensitized with bouin fixative or G1349-trichromatic staining mordant before dyeing after the paraffin section is rehydrated.
4. For your safety and health, please wear experimental clothes and disposable gloves.

