

## 弹力纤维染色试剂盒（地衣红法）

货号：G1589

规格：3×50mL

保存：2-8℃，避光保存，有效期 6 个月。

### 产品组成：

名称	3×50mL	保存
试剂(A):地衣红染色液	50mL	2-8℃
试剂(B): Mayer 苏木素	50mL	室温, 避光
试剂(C):Scott 蓝化液	50mL	室温

### 产品介绍：

弹力纤维(Elastic Fiber)主要分布于人体的动脉壁、肺泡壁、皮肤，新鲜时呈黄色，折光性强。常用的弹力纤维染色法有 Gomori 醛品红法、间苯二酚碱性品红法、地衣红法、维多利亚蓝法、铁碘苏木素法等。弹力纤维染色可以显示皮肤组织中弹力纤维的变化，如弹力纤维痣、皮肤环状肉芽肿、硬度病等。

弹力纤维染色试剂盒（地衣红法）操作简单、特异性高，但染色效果可能受到不同批次原料而有差异，有时会染色肝细胞内的脂褐素。

### 操作步骤：(仅供参考)

1. 组织固定于 10%的中性福尔马林固定液，常规脱水包埋。切片厚 4-5μm，常规脱蜡至 70%乙醇。
2. 地衣红染色液 37℃恒温浸染 6-8h 或室温染色 12-24h。
3. 70%酒精快速分化 3-5s。蒸馏水洗 1-2min。
4. （可选）滴加 Mayer 苏木素染色液复染 2-3min。
5. （可选）蒸馏水冲洗 2-3min。若染色过深可用盐酸酒精适当分化。
6. （可选）滴加 Scott 蓝化液返蓝 2min，蒸馏水洗 1min。
7. 系列酒精脱水，二甲苯透明，中性树胶封固。

### 染色结果：

弹力纤维	棕红色至深棕色
背景	不同程度的灰棕色或淡红色

### 注意事项：

1. 地衣红染色液临用前应恢复至室温，染液可重复使用数次。
2. 弹力纤维染色时间可根据不同组织适当缩短或延长。
3. 为了您的安全和健康，请穿实验服并戴一次性手套操作。





## Elastic Fiber Stain Kit (Orcein Method)

**Cat:** G1589

**Size:** 3×50mL

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

### Kit Components

Reagent	3×50mL	Storage
Reagent(A): Orcein Solution	50mL	2-8°C
Reagent(B): Mayer Hematoxylin Solution	50mL	RT, avoid light
Reagent(C): Scott bluing Solution	50mL	RT

### Introduction

In a narrow sense, connective tissue contains three types of fibers: collagen fibers, reticular fibers, elastic fibers. Elastic fibers are found in the lungs, arteries, veins. It is highly refractive, elasticize usually thinner than collagen fibers. Elastic fibers stain well with Gomori aldehyde fuchsin, orcein, resorcin-fuchsin, and Weigert's elastic stain in histological sections.

Elastic Fiber Stain Kit (Orcein Method) is a selective staining method for identifying elastin protein. Sometimes the lipofuscin in the hepatocytes will be stained.

### Protocol(for reference only)

1. Fix the tissue in 10% neutral formalin fixative, and routinely dehydrate and embed. Cut the slice in 4-5μm and dewax to 70% alcohol.
2. Soak in Orcein solution and stain for 6-8h at 37°C incubator or stain for 12-24h at room temperature.
3. Rinse in 70% alcohol for 3-5s, and then wash with distilled water for 1-2min.
4. (Optional)Re-dyeing with Mayer Hematoxylin Solution for 2-3min.
5. (Optional)Rinse in distilled water for 2-3min, differentiating in 1% acid alcohol if necessary.
6. (Optional)Rinse in Scott blue Solution for 2min, and wash with distilled water.
7. Dehydrate with series alcohol, transparent with xylene and seal.

### Result

Elastic Fiber	Brownish Red to Dark Brown
Background	Grayish Brown or Reddish in Varying Degrees

### Note

1. The Orcein Solution should be restored to room temperature before use, and it can be reused several times.
2. The dyeing time of elastic fibers can be appropriately shortened or extended according to different tissues.
3. For your safety and health, please wear experimental clothes and disposable gloves.

