

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，常规脱蜡至水。
2. 入 70%乙醇 2min。
3. 入地衣红染色液染色 15-30min（56℃温箱）或室温过夜染色。
4. 70%酒精分化，至无多余染液脱下为止。稍水洗 1-2min。
5. 入 Mayer 苏木素染色液复染 3-5min。
6. 流水冲洗 2-3min。若染色过深可用盐酸酒精适当分化。蒸馏水稍洗。
7. 入 Scott 蓝化液返蓝 2min，蒸馏水洗。
8. 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. 酸性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. 弹力纤维着色较深，不形成颗粒状。
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.
2. Cut the slice in 4-5 μ m and dewax to distilled water.
3. Rinse in 70% alcohol for 2min.
4. Stain with Orcein solution for 15-30min at 56°C or overnight at room temperature.
5. Rinse in 70% alcohol, and then wash with distilled water.
6. Re-dyeing with Mayer Hematoxylin Solution for 3-5min.
7. Rinse in tap water for 2-3min, differentiating in 1% acid alcohol if necessary, and then wash with distilled water.
8. Rinse in Scott blue Solution for 2min, and wash with distilled water.
9. 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 color of elastic fiber is deep and does not like granular.
3. For your safety and health, please wear experimental clothes and disposable gloves.