

## 醛品红染色液

货号: G1594

规格: 100mL

保存: 2-8℃, 避光保存, 有效期 6 个月。

### 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。醛品红法染色液又称为醛复红染色液, 可用于弹力纤维染色, 亦可用于其他用途。

### 操作步骤: (仅供参考)

1. 固定于 10%中性福尔马林, 常规脱水包埋。
2. 石蜡切片厚度 4 $\mu$ m-7 $\mu$ m, 常规脱蜡至水。
3. 按具体实验要求操作。

### 染色结果:

弹力纤维	紫色至深紫色
肥大细胞颗粒、粘液物质	紫色至深紫色
背景	不同程度的黄色

### 注意事项:

1. 该法可显示弹力纤维、前弹力纤维、耐酸纤维, 但需要切片稍厚一些, 以 7 $\mu$ m 为宜。
2. 氧化液和酸化液不宜提前混合, 最好即配即用。
3. 醛品红染色时, 应加盖, 防止溶液挥发。
4. 醛品红染色液保存过久以后, 染色力会下降, 染色时应增加染色时间。
5. 当染胰岛 $\beta$ 细胞时, 时间控制在 30min; 当染脑垂体的嗜碱性细胞时, 时间控制在 60min。
6. 橙黄 G 染色应淡染, 否则会掩盖弹力纤维的颜色。
7. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

## Aldehyde-Fuchsin Stain Solution

**Cat:** G1594

**Size:** 100mL

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

### 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, elasticized usually thinner than collagen fibers. Elastic fibers stain well with Gomori aldehyde fuchsin, orcein, resorcin- fuchsin, and Weigert's elastic stain in histological sections.

Aldehyde-Fuchsin Stain Solution can be used for elastic fiber dyeing and other purposes.

### Protocol (for reference only)

1. Fix in 10% neutral formalin fixative, and routinely dehydrate and embed.
2. Cut the paraffin embedded tissue into 4 $\mu$ m-7 $\mu$ m thin sections and routine dewax to water.
3. Operate according to the specific experimental requirements.

### Result

Elastic Fiber	Purple to dark purple
Mast cell granules and mucus	Purple to dark purple
background	Different degrees of yellow

### Note

1. This method can display elastic fiber, anterior elastic fiber and acid resistant fiber, but it needs to slice slightly thicker, 7 $\mu$ m is the best.
2. The oxidizing solution and acidifying solution should not be mixed in advance, and it is better to use them immediately.
3. When aldehyde fuchsin is dyed, it should be capped to prevent the solution from volatilizing.
4. When the Aldehyde-Fuchsin Stain Solution is stored for a long time, the dyeing power will decrease, and the dyeing time should be increased.
5. When islet beta-cells were stained, the time should controlled at 30 min; when pituitary basophils were stained, the time is controlled at 60 min.
6. Orange G dyeing should be light, otherwise it will cover up the color of elastic fiber.
7. For your safety and health, please wear experimental clothes and disposable gloves.