

## 嗜酸性粒细胞染色试剂盒（变色酸 2R 法）

货号：G3630

规格：2×50mL

保存：室温，避光保存，保质期 6 个月

### 产品组成：

名称	2×50mL	保存
试剂 A：苏木素染色液	50mL	室温，避光
试剂 B：变色酸 2R 染色液	50mL	室温，避光

### 产品说明：

嗜酸性粒细胞是炎症细胞成分之一，多在变态反应性疾病中发挥作用，嗜酸性粒细胞质中含次级颗粒，上述颗粒中主要含有碱性蛋白，如嗜酸性粒细胞阳离子、嗜酸性粒细胞衍生神经毒素、嗜酸性粒细胞过氧化物酶等，可以被酸性染料着色。

嗜酸性粒细胞染色试剂盒（变色酸 2R 法）由苏木素染色液、变色酸 2R 染色液组成，染色后嗜酸性粒细胞的胞质呈品红色，核呈蓝色。相比于其他嗜酸性粒细胞染色液着色适中，操作简单，染色快捷。缺点是干片染色如果组织贴片不牢固可能会出现脱片情况。

### 操作步骤：（仅供参考）

1. 石蜡切片常规脱蜡复水。
2. 苏木素染色液染色 5 分钟，蒸馏水冲洗，自来水返蓝 10 分钟。
3. 切片自然晾干，变色酸 2R 染色液染色 20 分钟。
4. 蒸馏水洗去多余染色液，然后梯度乙醇脱水每梯度各 2-3s，二甲苯或环保组织透明脱蜡液透明。
5. 中性树胶封片镜检。

### 染色结果：

嗜酸性颗粒	品红色
细胞核	蓝色
红细胞	淡黄色或捎带红色
软骨等嗜酸性组织	紫蓝色

### 注意事项：

1. 亦可用于细胞涂片染色，但染色时间应相应缩短，固定采用 4%多聚甲醛溶液。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。

## Eosinophil Stain Kit(Chromotropic acid 2R Method)

**Cat:** G3630

**Size:** 2×50mL

**Storage:** RT, avoid light, valid for 6 months.

### Kit Components

Reagent	2×50mL	Storage
Reagent A:Hematoxylin Staining Solution	50mL	RT, avoid light
Reagent B:Chromotropic Acid 2R Solution	50mL	RT, avoid light

### Introduction

Eosinophils are one of the components of inflammatory cells and play a role in allergic diseases. The cytoplasm of eosinophils contains secondary particles. The above particles mainly contain basic proteins, such as eosinophil cations, eosinophil derived neurotoxins, eosinophil peroxidase, etc., which can be colored by acidic dyes.

Eosinophil Stain Kit(Chromotropic acid 2R Method) is composed of hematoxylin staining solution and chromotropic acid 2R solution. After staining, the cytoplasm of eosinophils is magenta and the nucleus is blue. Compared with other eosinophil staining solutions, the staining solution is moderate, simple and fast. The disadvantage is that if the tissue patch is not firm, it may fall off.

### Protocol(for reference only)

1. Dewax and rehydrate the paraffin sections routinely.
2. Dyeing with Hematoxylin Staining Solution for 5 minutes, washing with distilled water and returning to blue with tap water for 10 minutes.
3. Dry the slices naturally and stain with Chromotropic Acid 2R Solution for 20 minutes.
4. Remove the excess dye solution with distilled water, and then dehydrate with gradient ethanol for 2-3s each gradient. Transparent by xylene or non-polluted tissue transparent dewaxing solution.
5. Seal with neutral gum seal and observe under the microscope.

### Result

Eosinophilic granules	Magenta
Nucleus	Blue
Erythrocyte	Light Yellow or Little Red
Cartilage or other eosinophilic tissues	Purple Blue

### Note

1. It can also be used for cell smear staining, but the staining time should be shortened accordingly. 4% paraformaldehyde solution is used for fixation.
2. For your safety and health, please wear experimental clothes and disposable gloves.