

## 嗜酸性粒细胞染色试剂盒（天狼星红法）

货号：G3632

规格：3×50mL

保存：室温，避光保存，保质期 6 个月。

### 产品组成：

名称	3×50mL	保存
试剂(A)：苏木素染色液	50mL	室温，避光
试剂(B)：润洗液	50mL	室温
试剂(C)：天狼星红染色液	50mL	室温，避光

### 产品介绍：

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（天狼星红法）由苏木素染色液、润洗液和天狼星红染色液组成，染色后嗜酸性粒细胞的胞质呈红色，核呈蓝色。相比于其他嗜酸性粒细胞染色液着色更强烈，对比更鲜明，相对染色时间也较长。

### 自备材料：

蒸馏水、自来水、系列乙醇、孵育盒

### 操作步骤：（仅供参考）

1. 石蜡切片常规脱蜡复水。
2. 滴加苏木素染色液染色 5 分钟，蒸馏水冲洗，自来水返蓝 10 分钟。
3. 润洗液稍润洗 2-4s。
4. 天狼星红染色液 37°C 浸染（加盖）24 小时。
5. 蒸馏水稍洗去多余染色液，然后梯度乙醇快速脱水每梯度各 2-3s。
6. 二甲苯或环保组织透明脱蜡液透明，中性树胶封片镜检。

### 染色结果：

嗜酸性颗粒	红色
细胞核	蓝色
红细胞	淡黄色
软骨等嗜酸性组织	粉色

### 注意事项：

1. 天狼星红染色液为饱和溶液，长时间储存可能出现少量沉淀，建议临用前过滤使用。
2. 亦可用于细胞涂片染色，但染色时间应相应缩短，固定推荐采用 4% 多聚甲醛溶液。
3. 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(Sirius Red Method)

**Cat:** G3632

**Size:** 3×50mL

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

### Kit Components

Reagent	3×50mL	Storage
Reagent(A):Hematoxylin Staining Solution	50mL	RT, avoid light
Reagent(B):Washing Solution	50mL	RT
Reagent(C):Picosirius Red Staining Solution	50mL	RT, avoid light

### Introduction

Eosinophils are one of the components of inflammatory cells and play a role in allergic diseases. Eosinophils contain secondary granules in the cytoplasm and can be colored by acidic dyes.

Eosinophil Stain Kit(Sirius Red Method) is composed of Hematoxylin Staining Solution, Washing Solution and Picosirius Red Staining Solution. After staining, the cytoplasm of eosinophils is red and the nucleus is blue. Compared with other eosinophils, the staining solution is more intense, the contrast is more distinct, and the relative staining time is longer.

### Self Provided Materials

Distilled water, Tap water, Series of ethanol, Incubation box

### Protocol (for reference only)

1. Dewax the section by series of ethanol, then rinse in distilled water for 2min.
2. Stain with Hematoxylin Staining Solution for 5min. Rinse with distilled water for 5s and blue with tap water for 10 min.
3. Slightly wash with Washing Solution for 2-4s.
4. Incubate with Picosirius Red Staining Solution(capping) at 37°C for 24h .
5. Wash the excess staining solution with distilled water for 5-10s.
6. Dehydrate with series of ethanol for 2-3s each level.
7. Transparent with xylene or environmental tissue transparent dewaxing solution twice for 1min each. Seal with neutral gum.

### Result

Eosinophilic granules	Red
nucleus	Blue
red blood cell	Light Yellow
Eosinophilic tissues such as cartilage	Pink

### Note

1. Picosirius Red Staining Solution is a saturated solution, and a small amount of precipitation may appear after long-term storage. It is recommended to filter it before use.
2. It can also be used for cell smear staining, but the staining time should be shortened accordingly. 4% paraformaldehyde solution is recommended for fixation.
3. For your safety and health, please wear experimental clothes and disposable gloves.

