

## 肥大细胞染色试剂盒（Allen 法）

货号：G3676

规格：3×50ml

保存：室温，避光保存，有效期 1 年

产品组成：

名称	3×50ml	保存
试剂(A)：苏木素染色液	50mL	RT，避光
试剂(B)：酸性分化液	50mL	RT
试剂(C)：中性红染色液	50mL	RT，避光

### 产品介绍：

肥大细胞(Mast Cell)是疏松结缔组织内常见的细胞，常成群的沿着小血管和淋巴管分布，也常见于支气管和胰腺的小叶间导管周围，一般细胞较大，直径约为 20-30 $\mu$ m，呈圆形或椭圆形，胞核较小、胞质内充满粗大且具有异染性嗜碱性颗粒。

肥大细胞染色试剂盒（Allen 法）使用中性红对嗜碱性颗粒进行染色，使用苏木素进行衬染，结果清晰，颜色鲜艳，对比强烈。

### 操作步骤：（仅供参考）

1. 组织石蜡包埋切片，脱蜡至水，蒸馏水洗两次，每次 2min。
2. 滴加苏木素染色液染色 3min，蒸馏水稍洗 5-10s。
3. 酸性分化液分化 3-5s 至切片变红，立即水洗，自来水返蓝 10min。
4. 蒸馏水稍洗 5-10s，中性红染色液复染 10min。
5. 迅速过 95%乙醇 3s，100%乙醇I 3s，100%乙醇II 10s 脱水。
6. 二甲苯I 1min，二甲苯II 1min 透明，中性树胶封片。

### 染色结果：

肥大细胞颗粒和软骨	红色
细胞核	蓝色到紫蓝色

### 注意事项：

1. 针对于胃粘膜组织、软骨组织等较难着色组织的染色，染色时间应相应延长。
2. 肥大细胞易脱颗粒，应注意组织要新鲜快速取材，取出后立即固定。
3. 为了您的身体健康建议穿着防护服戴手套进行操作。





## Mast Cells Stain Kit(Allen Method)

**Cat:** G3676

**Size:** 3×50mL

**Storage:** RT, avoid light, valid for 1 year.

### Kit Components

Reagent	3×50mL	Storage
Reagent(A): Hematoxylin Stain Solution	50mL	RT, avoid light
Reagent(B): Acid Differentiation Solution	50mL	RT
Reagent(C): NR Stain Solution	50mL	RT, avoid light

### Introduction

Mast cell is a common cell in loose connective tissue, which is often distributed along small blood vessels and Lymphatic vessel in groups, and also around interlobular ducts of bronchi and pancreas. Generally, the cells are large, with a diameter of about 20-30  $\mu$  m. It is circular or elliptical in shape, with a small nucleus and a thick cytoplasm filled with metachromatic basophilic granules.

The Mast Cell Stain Kit (Allen Method) uses Neutral red to stain the basophilic particles, and uses hematoxylin for lining dyeing. The results are clear, bright and contrasting.

### Protocol(for reference only)

1. Add xylene into paraffin section twice, 10min each time.
2. 3 min for each series of ethanol. Wash with ddH<sub>2</sub>O for 2 min.
3. Dye with Reagent(A): Hematoxylin Stain Solution for 3-5 min, wash with ddH<sub>2</sub>O for 5-10s.
4. Different with Reagent(B): Acid Differentiation Solution for 3-5s till the slice turn red, immediately wash with water.
5. Bluening with tap water for 10 min, wash with ddH<sub>2</sub>O for 5-10s.
6. Dye with Reagent(C): NR Stain Solution for 10min.
7. dehydrated by 95% ethanol 3-5s, absolute ethanol I 3-5s, absolute ethanol II 10s. Transparent with xylene and seal with resinene.

### Result

Mast Cell Granuels	Red
Nucleus	Blue to Purple Blue

### Note

1. For staining of difficult to stain tissues such as gastric mucosa and cartilage, the staining time should be correspondingly extended.
2. Mast cell are easy to degranulate. It should be noted that the tissues should be fresh and quickly taken out, and fixed immediately after taking out.
3. For your safety and health, please wear experimental clothes and disposable gloves.

