

## Thomas 磷钼酸苏木素染色试剂盒

货号: G3720

规格: 2×100mL

保存: 室温, 避光保存, 有效期 1 年。

### 产品组成:

名称	2×100mL	保存
试剂(A): Thomas 磷钼酸苏木素染色液	100mL	室温, 避光
试剂(B): Thomas 分化液	100mL	室温

### 产品介绍:

肌纤维(Muscle fiber)属于肌组织成分, 由肌细胞组成。根据形态和功能特点, 肌纤维可以分为平滑肌(又称横纹肌)、骨骼肌、心肌。肌纤维染色的方法有很多种, 如丽春红法、苯胺蓝法、磷钼酸苏木素法等。目前使用磷钼酸作为媒染剂的苏木素较少, 较为常用的是 McManus 和 Nowry 采用的用于显示胶原和粗网状纤维的 Thomas 磷钼酸苏木素技术。

Thomas 磷钼酸苏木素试剂盒主要由 Thomas 磷钼酸苏木素、Thomas 分化液组成, 主要用于胶原、粗网状纤维、嗜银细胞颗粒等染色。

### 自备材料:

系列乙醇、蒸馏水

### 操作步骤: (仅供参考)

1. 组织常规固定脱水包埋。
2. 石蜡切片脱蜡, 系列乙醇水化至水。
3. 入 Thomas 磷钼酸苏木素染色液中染色 2min, 蒸馏水冲洗 1min。
4. 滴加 Thomas 分化液分化, 蒸馏水快速冲洗 20s。
5. 自来水冲洗 2min。
6. 95%乙醇和无水乙醇迅速脱水, 常规脱水透明, 中性树脂胶封固。

### 染色结果:

胶原蛋白、粗网状纤维	紫色至黑色
嗜银细胞	黑色
细胞核	淡蓝色

### 注意事项:

1. 避免采用重铬酸类固定液固定样本。
2. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

# Thomas Acid Hematoxylin Stain Kit

**Cat:** G3720

**Size:** 2×100mL

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

## Kit Components

Reagent	2×100mL	Storage
Reagent(A):Thomas Hematoxylin Stain Solution	100mL	RT, avoid light
Reagent(B): Thomas Differentiation Solution	100mL	RT

## Introduction

Muscle fiber is a component of muscle tissue, which is composed of muscle cells. According to the morphological and functional characteristics, muscle fibers can be divided into smooth muscle (also known as striated muscle), skeletal muscle and myocardium. There are many methods of muscle fiber staining, such as Ponceau method, aniline blue method, tungstophosphoric acid hematoxylin method and so on. At present, the use of phosphomolybdic acid as a mordant of hematoxylin is less, and the more commonly used is the Thomas phosphomolybdic acid hematoxylin technology used by McManus and nowry to display collagen and coarse reticular fibers.

Thomas Acid Hematoxylin Stain Kit is mainly composed of Thomas Hematoxylin Stain Solution and Thomas Differentiation Solution. It is mainly used for staining collagen, coarse reticular fiber and argyrophil cell granules.

## Self Provided Materials

Absolute ethanol, Distilled Water

## Protocol(for reference only)

1. Fix, dehydrate and embed the tissue by conventional methods.
2. Dewax paraffin sections by a series of ethanol to water.
3. Dye in Thomas Hematoxylin Stain Solution for 2 min, and rinse with distilled water for 1 min.
4. Differentiate with Thomas Differentiation Solution for 30s and wash with distilled water for 20s.
5. Rinse with tap water for 2 min.
6. Dehydrate with 95% ethanol and anhydrous ethanol rapidly,transparent with conventional dehydration and seal with neutral gum .

## Result

Collagen, coarse reticular fiber	Dark Purple to Black
Argyrophil Cell	Black
Nucleus	Pale Blue

## Note

1. Avoid fixing the sample with bichromic acid.
2. For your safety and health, please wear experimental clothes and disposable gloves.