

## 尿沉渣染色试剂盒(Sternheimer-Malbin 法)

货号: G2590

规格: 50mL/100mL

保存: 2-8°C, 避光保存, 有效期 6 个月。

### 产品组成:

名称	50mL	100mL	保存
试剂 A: S-M 染色 A 液	1.5mL	3mL	2-8°C, 避光
试剂 B: S-M 染色 B 液	48.5mL	97mL	2-8°C, 避光
临用前取一定量试剂 A 和试剂 B 按照 A:B=3:97 的比例配成工作液, 过滤后使用。			

### 产品介绍:

尿沉渣的检测有多种方法, 如定量检查法、离心沉淀检查法、染色检查法等。尿沉渣染色试剂盒 (Sternheimer-Malbin 法) 属于染色尿沉渣检查法的一种, 由结晶紫、沙黄等组成, 染色后红细胞呈淡紫色, 白细胞呈橙红色。该试剂仅用于科研领域, 不宜用于临床诊断或其他用途。

### 自备材料:

恒温箱、载玻片、血球计数板、盖玻片、光学显微镜

### 操作步骤: (仅供参考)

1. 取出试剂放至室温 (25°C) 复温 30min。
2. 配成 Sternheimer-Malbin 染色工作液, 过滤备用。
3. 取 0.2ml 沉渣, 滴加 1 滴 Sternheimer-Malbin 染色工作液, 混合。
4. 覆盖盖玻片或充入计数板, 放置 3min, 镜检。

### 染色结果:

红细胞	淡紫色
多形核白细胞	细胞核呈橙紫色, 细胞质内可见颗粒
细胞管型	深紫色
透明管型	粉红色或淡紫色
上皮细胞	细胞核呈紫色, 胞质呈淡紫色或桃色

### 注意事项:

1. 应准备干净、干燥采尿杯, 一般情况下留取中段尿。
2. 在为了获得细胞沉淀的离心的过程中, 对于特殊细胞, 如果细胞沉淀不充分, 可以适当提高离心力或延长离心时间。
3. 为了保持尿沉渣中细胞成分维持原来的形态特征, 要求迅速送检, 2h 内检查完毕。
4. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

## Urate Stain Kit(Sternheimer-Malbin Method)

**Cat:** G2590

**Size:** 50mL/100mL

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

### Kit components

Reagent	50mL	100mL	Storage
Reagent A: S-M Solution A	1.5mL	3mL	2-8°C, avoid light
Reagent B: S-M Solution B	48.5mL	97mL	2-8°C, avoid light
Before use, mix Reagent A with B as the ratio of 3:97 to prepare S-M Working Solution. Use after filtering.			

### Introduction

There are many methods to detect urinary sediment, such as quantitative examination, centrifugal precipitation examination, staining examination and so on. Urate Stain Kit(Sternheimer-Malbin Method) is a kind of staining urine sediment examination method. It is composed of crystal violet and safranin. After staining, the red blood cells are light purple and the white blood cells are orange red. The reagent is only used in scientific research and is not suitable for clinical diagnosis or other purposes.

### Self Provided Materials

Incubator, slide, blood cell counting plate, cover glass, optical microscope

### Protocols(for reference only)

1. Take out the reagent and restore to room temperature (25°C) for 30min.
2. Prepare S-M Working Solution and filter it for standby.
3. Take 0.2ml sediment, add 1 drop of S-M Working Solution and mix.
4. Cover the cover glass or fill the counting plate, place it for 3min and conduct microscopic examination.

### Result

Red blood cell	Light Purple
Polymorphonuclear leukocyte	The nucleus is orange purple, and granules can be seen in the cytoplasm
Cell tube type	Deep Purple
Transparent tube type	Pink Red or Light Purple
Epithelial cells	The nucleus is purple and the cytoplasm is light purple or peach color

### Note

1. Prepare a clean and dry urine collection cup. Generally reserve the middle urine.
2. In the process of centrifugation to obtain cell precipitation, for special cells, if the cell precipitation is insufficient, the centrifugation force can be appropriately increased or the centrifugation time can be prolonged.
3. In order to maintain the original morphological characteristics of cell components in urinary sediment, it is required to send them for examination quickly and complete the examination within 2h.
4. For your safety and health, please wear experimental clothes and disposable gloves.