

## 快速巴氏染色试剂盒

货号: G1617

规格: 4×100mL/4×500mL

保存: 室温, 避光保存, 有效期 1 年。

### 产品组成:

名称	4×100mL	4×500mL	保存
试剂(A):核染液	100mL	500mL	室温, 避光
试剂(B):浆染液	100mL	500mL	室温, 避光
试剂(C):脱色液	2×100mL	2×500mL	室温

### 产品介绍:

细胞学常规染色普遍使用巴氏(Papanicolaou)法。Papanicolaou Stain 最初仅用于检测阴道上皮雌激素水平以及生殖道念珠菌、滴虫等病原体。巴氏染色液含有多种离子,能与细胞中具有相反电荷的蛋白质结合,从而区别显示细胞内各种成分,染色后胞质鲜艳、透明性好以及核结构清晰,角化鳞状细胞胞浆呈粉红或橘红色,非角化细胞呈绿色,细胞核呈蓝色或黑色。

本产品为我司精心改良的无毒快速巴氏染色试剂盒,相对于经典巴氏染色法的步骤繁琐,耗时较长等缺点精简了操作步骤和染色时长,整个染色流程只分为三步,在 5min 内即可完成,无需梯度酒精脱水和二甲苯透明,可直接封片保存。该试剂盒主要用于脱落细胞染色,适用于上皮细胞及间皮组织的各种标本,是阴道脱落细胞检查中最常用的染色方法,也可染宫颈刮片、白带、胸腹水、精子、TCT 等各种样本。

### 自备材料:

AF固定液(酒精-福尔马林固定液)、系列乙醇、显微镜、中性树胶

### 操作步骤:(仅供参考)

1. 取待检样本5-10ul,均匀涂布在防脱切片上制备细胞涂片。
2. 待细胞涂片自然干燥,使用AF固定液或95%乙醇固定2-3min,蒸馏水洗30s。
3. 滴加试剂(A):核染液染色1-2min,自来水冲洗30-60s返蓝。
4. 滴加试剂(B):浆染液染色1-2min。
5. 试剂(C):脱色液冲洗5-10s至无多余染料脱出,然后自然晾干涂片。
6. (可选)梯度乙醇脱水,二甲苯透明。
7. 中性树胶封片后镜检观察。

### 染色结果:

细胞核	蓝紫色或黑色
非角化细胞的胞质	淡蓝色或淡绿色
角化细胞的胞质	粉红或橘红色

### 注意事项:

1. 整个过程中的清洗步骤需温柔操作,以防细胞脱落。
2. 染液长时间放置可能会有沉淀属于正常现象,可过滤后使用。
3. 为了您的安全和健康,请穿实验服并戴一次性手套操作。





## Fast Papanicolaou Staining Kit

**Cat:** G1617

**Size:** 4×100mL/4×500mL

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

### Kit Components

Reagent	4×100mL	4×500mL	Storage
Reagent(A):Nuclear Staining Solution	100mL	500mL	RT, avoid light
Reagent(B):Cytoplasm Staining Solution	100mL	500mL	RT, avoid light
Reagent(C):Decolorization Solution	2×100mL	2×500mL	RT

### Introduction

The Papanicolaou method is commonly used for routine cytological staining. Papanicolaou stain was initially only used to detect vaginal epithelial estrogen levels and pathogens such as Candida and Trichomonas in the genital tract. Pasteurized staining solution contains a variety of ions, which can combine with proteins with opposite charges in cells, so as to distinguish and display various components in cells. After staining, the cytoplasm is bright, transparent, and the nuclear structure is clear. The cytoplasm of keratinized squamous cells is pink or orange, the non keratinized cells are green, and the nucleus is blue or black.

This product is a non-toxic rapid Papanicolaou staining kit carefully improved by our company. Compared with the classical PAP staining method, the steps are cumbersome and time-consuming, which simplifies the operation steps and dyeing time. The whole dyeing process is only divided into three steps, which can be completed in 5min, without gradient alcohol dehydration and xylene transparency, and can be directly sealed and stored. The kit is mainly used for exfoliative cell staining, which is applicable to various specimens of epithelial cells and mesothelial tissues. It is the most commonly used staining method in vaginal exfoliative cell examination. It can also be used for cervical scraping, leucorrhea, pleural effusion and ascites, sperm, TCT and other samples.

### Self Provided Materials

AF Fixative(alcohol-formalin fixative), series of ethanol, optical microscope, resinene.

### Protocol(for reference only)

1. Take 5-10ul of the sample to be examined and evenly coat it on the anti peeling section to prepare the cell smear.
2. After the cell smears naturally dry, fix with AF fixative or 95% ethanol for 2-3min and wash with distilled water for 30s.
3. Drop stain with Reagent (A): Nuclear Staining Solution for 1-2min, rinse with tap water for 30-60s and return to blue.
4. Drop stain with Reagent (B): Cytoplasm Staining Solution for 1-2min.
5. Rinse with Reagent (C): Decolorization Solution for 5-10s until no excess dye occurs, then dry the smear naturally.
6. (Optional)Dehydrate by series of ethanol and transparent by xylene.
7. Seal with resinene.

### Result

Nucleus	Blue Purple or Black
The cytoplasm of non keratinized cells	Light Blue or Light Green
The cytoplasm of keratinocytes	Pink Red or Orange Red

### Note

1. The cleaning steps throughout the entire process need to be handled gently to prevent cell shedding.
2. The staining solution that stored for a long time may cause sedimentation, which is a normal phenomenon and can be filtered before use.
3. For your safety and health, please wear laboratory clothes and disposable gloves when operating.

