

## 异染颗粒染色试剂盒(改良Albert法)

货号: G3080

规格: 2×50mL

保存: 室温, 避光保存, 有效期 6 个月。

### 产品组成:

名称	2×50mL	保存
试剂(A): 甲苯胺蓝染色液	50mL	室温, 避光
试剂(B): Albert 碘液	50mL	室温, 避光

### 产品介绍:

异染颗粒染色目前常采用Albert法, 该法染色简单, 对比清晰, 多用于白喉棒状杆菌染色。白喉棒状杆菌多为杆形, 为革兰阳性菌, 但常显出一端不规则延伸成棒状, 细菌常以锐角度成簇状聚集成V, L或Y型, 无运动性、荚膜、芽胞。染色后菌体一端、两端或中央可见明显深染颗粒, 即异染颗粒。

### 操作步骤: (仅供参考)

- 1、 制备细胞涂片。
- 2、 涂片经火焰固定, 滴加甲苯胺蓝染色液染色3~5min。水洗。
- 3、 滴加Albert碘液染色1min。水洗。
- 4、 干后镜检。

### 染色结果:

异染颗粒	蓝黑色
菌体	绿色

### 注意事项:

- 1、 注意避免过分脱色, 否则会减弱细菌与颗粒的对比度。
- 2、 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

## Metachromatic Granules Stain Kit(Modified Albert Method)

**Cat:** G3080

**Size:** 2×50mL

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

### Kit Components

Reagent	2×50mL	Storage
Reagent (A): Toluidine Blue Staining Solution	50mL	RT,avoid light
Reagent (B): Albert Iodine Solution	50mL	RT,avoid light

### Introduction

At present, metachromatic granules staining often use Albert method, which is simple and clear in comparison, and is often used for corynebacterium diphtheriae staining. Corynebacterium diphtheriae is mostly rod-shaped and gram-positive, but it often shows irregular extension of one end into rod-shaped, bacteria often cluster into V, L or Y-shaped with sharp angle, without motility, capsule or spore. After staining, there are obvious hyperchromic granules at one end, two ends or the center of the cell, that is metachromatic granules.

### Protocol(for reference only)

1. Make a cell smear.
2. After fixation by flame, add Toluidine Blue Staining Solution onto the smear and stain for 3-5min. Wash with water.
3. Add Albert Iodine Solution and stain for 1 min. Wash with water.
4. Dry and view under the microscope.

### Result

Metachromatic granules	Bluish Black
Bacterium	Green

### Note

1. Pay attention to avoid excessive decolorization, otherwise the contrast between bacteria and particles will be weakened.
2. For your safety and health, please wear experimental clothes and disposable gloves.