

肥大细胞染色液(阿利新蓝沙黄法)

货号: G3672

规格: 3×50mL

保存: 室温, 避光保存, 有效期 6 个月。

产品组成:

名称	3×50mL	保存
试剂(A): Csaba 酸化液	50mL	室温
试剂(B): 阿利新蓝沙黄染色液	50mL	室温, 避光
试剂(C): Csaba 脱水剂	100mL	室温, 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 20-30μm, 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酸性颗粒。

肥大细胞染色液(阿利新蓝沙黄法)能够区分不同类型的异染颗粒, 染色后幼稚型肥大细胞颗粒呈蓝色, 成熟型肥大细胞颗粒呈红色, 对比较为清楚。

自备材料:

10%中性福尔马林固定液、染缸、系列乙醇

操作步骤: (仅供参考)

1. 取新鲜组织立即固定于 10%中性福尔马林固定液中, 常规脱水包埋。
2. 切片厚度 5-6μm, 常规脱蜡至水。
3. (可选)切片入 Csaba 酸化液处理 3min。
4. 用阿利新蓝沙黄染色液滴染 15-30min, 稍微水洗。
5. Csaba 脱水剂反复脱水(镜下观察)。
6. 二甲苯透明, 中性树胶封固。

染色结果:

幼稚型肥大细胞颗粒	蓝色
成熟型肥大细胞颗粒	红色

注意事项:

1. 肥大细胞染色时, 应注意组织要新鲜, 取出后立即固定。
2. 如无 10%中性福尔马林固定液, 可用 4%的甲醛生理盐水代替。
3. 如果 Csaba 脱水剂不够, 可用乙醇替代, 但片子易于脱色。
4. 分色后二甲苯透明的时间不宜过久, 否则容易导致褪色。
5. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

Mast Cells Stain Kit(Alcian Blue-Safranin Method)

Cat: G3672

Size: 3×50mL

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

Kit Components

Reagent	3×50mL	Storage
Reagent(A): Csaba Acidizing Solution	50mL	RT
Reagent(B): Alcian Blue-Safranin Solution	50mL	RT, avoid light
Reagent(C): Csaba Dehydrating Solution	100mL	RT, avoid light

Introduction

Mast cells are common cells in loose connective tissue. They are often distributed in groups along small blood vessels and lymphatics. They are also common around interlobular ducts of bronchi and pancreas. Generally, mast cells are large, with a diameter of about 20-30 μm , round or oval. Their nucleus are small, and their cytoplasm is filled with thick and heterochromatic eosinophils.

Mast Cells Stain Kit(Alcian Blue-Safranin Method) can distinguish different types of metachromatic particles. After staining, immature mast cell particles are blue, mature mast cell particles are red, which is relatively clear.

Self Provided Materials

10%NBF, Series Ethanol, Dye Vat

Protocol(for reference only)

1. Fix the fresh tissue immediately in 10% NBF, conventional dehydration and embedding.
2. Cut into 5-6 μm thick sections, and dewaxing to water.
3. (Optinal) Incubate with Csaba Acidizing Solution at room temperature for 3mins.
4. Stain with Alcian Blue-Safranin Solution for 15-30mins, Rinse with distilled water.
5. Dehydrate with Csaba Dehydrating Solution repeated. (Control under microscope)
6. Transparent with xylene and seal with resinene.

Result

Immature Mast Cell	Blue
Mature Mast Cell	Red

Note

1. For mast cells staining, the tissue should be fresh and fixed immediately after removal.
2. If there is no 10% NBF, it can be replaced by normal saline containing 4% FA.
3. If the Csaba Dehydrating Solution is empty, ethanol should be used as an alternative. By the way, the section may fade easily.
4. After differentiation, the time of transparent should be not for a long time, otherwise it is easy to cause fading.
5. For your safety and health, please wear experimental clothes and disposable gloves.