V02

黏蛋白染色试剂盒(卡红法)

货号：G2060
规格：3×50mL
保存：2-8℃，避光保存，有效期 6 个月。

产品组成：

名称	3×50mL	保存
试剂(A)：苏木素染色液	50mL	2-8℃，避光
试剂(B)：酸性分化液	50mL	室温
试剂(C)：黏液卡红原液	10mL	2-8℃，避光

产品介绍：

黏蛋白染色，亦称黏液物质染色，有多种不同的方法。如 AB-PAS 染色、HID-AB 染色、阿利新蓝染色等。以上方法大多是利用阿利新蓝属于阳离子染料可与酸性基团结合，即阿利新蓝与组织内含有的阴离子基团如羧基和硫酸根形成不溶性复合物这一原理。然而以上的方法不是专门显示中性黏液物质的。

黏蛋白染色试剂盒(卡红法)主要用于显示酸性粘液物质和新型隐球菌。特别适用于显示胃和上皮的黏液质，临床上多用于分泌黏液的上皮癌的鉴别。

操作步骤：(*仅供参考*)

1、 对于石蜡切片：切片脱蜡至水；对于细胞样本：细胞涂片应先固定 15-30min 后水洗。
2、 苏木素染色液染核 3-5min，如为细胞涂片染色 3min 即可。蒸馏水洗 1-2min。
3、 （可选）用酸性分化液稍分化 3-5s。
4、 自来水冲洗 10min 返蓝。
5、 在上述操作过程中提前配制黏液卡红工作液，即按黏液卡红原液：蒸馏水=1：4 的比例配制。滴加黏液卡红工作液复染切片 1h。蒸馏水洗 10-20s。（*见注意事项 4*）
6、 梯度乙醇脱水，二甲苯透明，中性树胶封片。

染色结果：

黏液物质	红色
细胞核	蓝色

注意事项：

1、 固定液采用 10%中性福尔马林。
2、 苏木素染色液染核时应淡染。
3、 乙醇脱水过程同时具有分化作用，应注意控制时间。
4、 若用黏液卡红原液染色，时间 30min 即可；若使用工作液染色，则需适当延长染色时间。
5、 为了您的安全和健康，请穿实验服并戴一次性手套操作。

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Mucicarmine Stain Kit(Carmine Method)

Cat: G2060
Size: 3×50mL
Storage: 2-8℃, avoid light, valid for 6 months.

Kit Components

Reagent	3×50mL	Storage
Reagent(A): Hematoxylin Solution	50mL	2-8℃, avoid light
Reagent(B): Acid Differentiation Solution	50mL	RT
Reagent(C): Mucicarmine Solution	10mL	2-8℃, avoid light

Introduction

There are many methods for mucus staining, such as AB-PAS Method, HID-AB Method and Standard Alcian Blue Method. Most of the above methods are based on the principle that a alcian blue belongs to cationic dye and can combine with acid group, that is to say, alcian blue forms insoluble complex with anionic group such as carboxyl group and sulfate group in tissue. However, the above methods are not specific for neutral mucus.

Mucicarmine Solution Kit(Carmine Method) is mainly used to show acid mucus and cryptococcus neoformans. It is especially suitable to show the mucus of the stomach and epithelium, and it is often used to differentiate mucinous epithelial carcinoma.

Protocol(*for reference only*)

1. For paraffin section, dewax the section to water. For cells, fix the cell smear for 15-30min and wash with distilled water .
2. Stain with Hematoxylin Solution for 3-5mins. If for cell smear, generally stain for 3mins. Rinse with distilled water for 1-2mins.
3. (optional)Slightly differentiate by Acid Differentiation Solution for 3-5s.
4. Rinse with running water for 10mins and return blue.
5. In the above operation process, mix Mucicarmine Solution and distilled water in the radio of 1:4 to form Mucicarmine Working Solution in advance. Redyeing with Mucicarmine Working Solution for 1h. (*see note 4)*
6. Rinse with distilled water.
7. Dehydrate in series of ethanol and transparent by xylene, then seal with resinene.

Result

Mucus	Red
Nucleus	Blue

Note

1. The fixative uses 10% neutral formalin.
2. Staining with Hematoxylin Solution should be light stained.
3. The process of ethanol dehydration has differentiation at the same time.Pay attention to control time.
4. If stain with Mucicarmine Solution, generally stain for 30mins; if stain with Mucicarmine Working Solution, the dyeing time should be extended appropriately.
5. For your safety and health, please wear experimental clothes and disposable gloves.