核仁组成区嗜银蛋白染色液

货号：G2015
规格：2×50mL
保存：2-8℃，避光保存，有效期 6 个月。

产品组成：

名称		2×50mL	保存
试剂(A): AgNOR 染色工作液	试剂(A1): AgNOR 银溶液	34mL	2-8℃，避光
	试剂(A2): AgNOR 胶溶液	17mL	室温
取室温的试剂(A1)、试剂(A2)按 2:1 混合，即为 AgNOR 染色工作液。			
试剂(B): 甲基绿染色液		50mL	室温，避光

产品介绍：

核仁组成区(NORs)是染色体上的一个编码核糖体 RNA(rRNA)的片段，存在于 DNA 特异性环上，凸向核仁。在电镜下，核仁组成区为在电子致密区中的境界不清的浅染区域。在石蜡切片上，在核仁中见到的每一个点状反应颗粒有可能代表多个 AgNOR 位点。核仁组成区嗜银蛋白染色主要特点是操作简便、批量染色较为经济，AgNOR 位点的数量增加与细胞增殖性增加有关，对于良恶性肿瘤的鉴别具有一定的意义。

操作步骤：(*仅供参考*)

1、 切片脱蜡入水，再至蒸馏水。
2、 蒸馏水洗片 10min。
3、 AgNOR 染色工作液室温孵育 40-60min。蒸馏水洗片 1-2min。
4、 (可选)甲基绿染色液复染 1-3min，水洗晾干。
5、 常规脱水，常规透明，非水溶性封片剂封片。

染色结果：

AgNOR 位点	核内棕黑色点状
背景	根据复染液不同而不同

注意事项：

1、 组织固定宜采用 10%福尔马林或中性福尔马林。
2、 本染色液适用于石蜡切片，切片厚度在 3～4μm 为宜。
3、 如需复染，也可在步骤 4 之后用中性红复染，但应注意避免过染。
4、 配制好的 AgNOR 染色工作液易退化，所以最好即配即用，不易久置。
5、 为了您的安全和健康，请穿实验服并戴一次性手套操作。

Argyrophilic Nucleolar Organizer Region Associated Proteins Stain Kit (AgNOR Stain)

Cat: G2015
Size: 2×50mL
Storage:2-8℃, avoid light, valid for 6 months.

Kit Components

Reagent		2×50mL	Storage
Reagent(A): AgNOR Stain Solution	Reagent(A1): AgNOR Sliver Solution	34mL	2-8℃, avoid light
	Reagent(A2): AgNOR Gelatin solution	17mL	RT
Mix reagent A1, A2 in ratio 2:1 to form AgNOR Stain Solution.			
Reagent(B): Methyl Green Solution		50mL	RT, avoid light

Introduction

The nucleolar organizer region (NORs) is a fragment of ribosomal RNA (rRNA) on chromosome, which exists in DNA specific ring and protrudes to nucleolus. Under the electron microscope, the nucleolar organizer region is a light staining region with unclear boundary in the electron dense region. On the paraffin section, each point reaction particle seen in nucleolus may represent multiple AgNOR sites. The increase of AgNOR is related to the increase of cell proliferation, which is of significance for the differentiation of benign and malignant tumors. The main characteristics of argyrophilic protein staining in nucleolar organizer region are simple operation and economical batch dyeing.

Protocol *(for reference only)*

1. Dewax the section into water, then to distilled water.
2. Wash the section with distilled water for 10min.
3. Incubate with AgNOR Stain Solution at room temperature for 40-60min.
4. Wash the section with distilled water for 1-2min.
5. (*optional*) Re-dye with Methyl Green Solution for 1-3min, wash with water and dry in air.
6. Conventional dehydration, transparent and seal with resinene.

Result

AgNOR Site	Brown Black Punctate in Nucleus
Background	Recording to the re-dyeing solution

Note

1. 10% formalin or neutral formalin should be used for tissue fixation.
2. The staining solution is suitable for paraffin section, and the thickness of the section is 3-4 μm.
3. If re-dyeing is required, neutral red can also be used after step 4, but over dyeing should be cared.
4. The AgNOR Stain Solution is easy to degenerate, so it is best to use it immediately and not keep it for a long time.
5. For your safety and health, please wear experimental clothes and disposable gloves.