甲苯胺蓝染色液(0.5%, 磷酸盐法)

货号：G3662
规格：100mL
保存：室温，避光保存，有效期至少 1 年。

产品介绍：

甲苯胺蓝(Toluidine Blue O)是一种常用的人工合成染料，属于醌亚胺染料类。具备异染性，因此也有酸性缓冲、中性缓冲和碱性缓冲三种染色液配置方式。中性缓冲这种方法对异色着色和本色着色有较为均衡的体现。通常用于髓鞘和神经染色中，可以同时对尼氏体和神经元进行着色，可以应用于石蜡切片，用于一般形态学分析。也可用于胰岛细胞的区分染色。

甲苯胺蓝染色液(0.5%,磷酸盐法)由于磷酸盐缓冲液呈弱酸性，可以同时保证背景和异染色质的对比着色。

操作步骤：（*仅供参考*）

1. 新鲜组织固定于 G2161-中性福尔马林固定液中，常规脱水包埋。
2. 包埋组织切成 5μm 厚的切片，常规脱蜡至水。
3. 浸入 50-60℃温箱预热的甲苯胺蓝染色液(0.5%,磷酸盐法)浸染 20-40min。取出蒸馏水稍洗。
4. 95%乙醇迅速分化 3-5s。无水乙醇脱水，二甲苯透明，中性树胶封固。

染色结果：

尼氏小体	紫蓝色
细胞核	淡蓝色
背景	无色或浅蓝色

注意事项：

1. 第一次使用本试剂时建议先取 1-2 个样品做预实验。
2. 当用于胰岛细胞染色时，染色结果受固定液影响，如使用 Bouin 固定液则染色后仅胰岛 A1 细胞着紫红色，如使用常规福尔马林固定液，则胰岛 A1、A2 细胞均会着紫红色。
3. 为了您的安全和健康，请穿实验服并戴一次性手套操作。

相关产品：

G3660 甲苯胺蓝染色液（细胞专用）
G3661 甲苯胺蓝染色液(1%,磷酸盐法)
G3663 甲苯胺蓝染色液(1%,硼酸盐法)
G3665 甲苯胺蓝染色液(0.5%,硼酸盐法)
G3668 甲苯胺蓝染色液
G3670 肥大细胞染色液(甲苯胺蓝法)

Toluidine Blue O Solution,0.5% in PBS

Cat: G3662
Size: 100mL
Storage:RT, avoid light, valid for at least 1 year.

Introduction

Toluidine blue is a common synthetic dye, which belongs to quinone imine dyes. It has metachromatic property, so there are three kinds of dyeing solution configuration: acid, weak acid and alkaline. Weak acidity this method has a more balanced expression of heterochromatic coloring and natural coloring. It can be used to stain Nissl bodies and neurons at the same time. It can be used in paraffin section for general morphological analysis. It can also be used to differentiate islet cells.

Toluidine Blue O Solution,0.5% in PBS can ensure the contrast coloring of background and heterochromatin at the same time due to the weak acidity of phosphate buffer.

Protocol(*for reference only*)

1. Fix fresh tissue in 10% formalin solution and routinely dehydrateand embed.
2. Cut paraffin sections in 5μm thickness ,then dewax paraffin sections and rehydrate in graded alcohol.
3. Stain with Toluidine Blue O Solution,0.5% in PBS in a temperature box of 50-60℃ for 20-40 min.
4. Slightly wash with distilled water.
5. 95% ethanol differentiated rapidly for 3-5s.Absolute ethanol dehydration, transparent by xylene , seal with resinene.

Result

Nissl Body	Purplish Blue
Nucleus	Light Blue
Background	Colorless or Light Blue

Note

1. When using this reagent for the first time, it is recommended to take 1-2 samples for pretest.
2. When it was used to stain islet cells, the staining results were affected by the fixative. If Bouin fixative was used, only islet A1 cells were stained purple red. If conventional formalin fixative was used, both islet A1 and A2 cells were stained purple red.
3. For your safety and health, please wear experimental clothes and disposable gloves.

Related Products

G3660 Toluidine blue staining Solution,For Cell
G3661 Toluidine Blue O solution,1% in PBS
G3663 Toluidine Blue O Solution,1% in Sodium Borate
G3665 Toluidine Blue O Solution,0.5% in Sodium Borate
G3668 Toluidine Blue O Solution
G3670 Mast Cells Stain Solution(Toluidine blue Method)