伊红染色液(醇溶，0.5%)

货号: AC11545

规格: 100mL

保存: 室温，避光保存，有效期为 1 年。

产品介绍:

伊红(Eosin)又称曙红，属人工合成染料，为桃红色或粉红色的粉末。伊红(醇溶)分子式为 C20H8Br4O5，分子量为 649.9。伊红最适宜与苏木精配合染色以显示正常或病理组织的形态结构。

伊红染色液(醇溶，0.5%)采用特有防腐剂，操作简单，不使用汞、甲醇等有毒试剂。常用于组织切片或培养细胞的染色，染色后细胞浆呈粉红色或红色。

自备材料:

系列乙醇、4%多聚甲醛

操作步骤: (仅供参考)

1.样品处理

石蜡切片：二甲苯中脱蜡 2 次每次 5- 10min。系列乙醇(100%、95%、 85%、75%)复水，每梯度 3min。蒸馏水 2min.

冰冻切片：取出恢复至室温后蒸馏水浸洗 2min。

培养细胞：用 4%多聚甲醛固定 10min 以上。蒸 馏水清洗 2 次，每次 2min。

2. HE 染色

1) 苏木素染色 2-10min(具体时间根据染色结果和实验要求调整)，水洗。

2) 盐酸酒精分化液分化 5-10s，水洗。

3) 自来水洗 10min 返蓝或者用返蓝液返蓝，蒸馏水洗。

4) 切片浸入 95%酒精处理 1min。

5) 滴加伊红染色液(醇溶，0.5%)染色 10-30s。

6) 不经水洗，直接入 95%酒精脱水两次，每次 3-5s，无水乙醇脱水两次，每次 3-5s。

7) 二甲苯透明两次，每次 5min。

8) 中性树 胶或其它封片剂封片。

染色结果:

细胞核	蓝色
细胞浆	粉红色或红色

注意事项:

1.如果需要 脱水、透明和封片处理，需自备二甲苯，中性树胶或其它封片剂。

2.为了 您的安全和健康，请穿实验服并戴一次性手套操作。

Eosin Y Alcoholic Solution,0. 5%

Cat: AC11545

Size: 100mL

Storage: RT, avoid light,valid for 1 year.

Introduction:

Eosin, a synthetic dye, is a pink powder. The molecular formula of ethanol-soluble cosin is C20H8Br4O5 and ts molecular weight is 649.9. Eosin Y Solution,0.5%, Ethanol Solvent is most suitable for staining with hematoxylin to show the morphological structure of normal or pathological tissues.

Eosin Y Alcoholic Solution,0 5% uses special preservatives, which is simple to operate and does not have toxic reagents such as mercury and methanol. It is often used for staining tissue sections or cultured cells to red in the cytoplasm.

Self Provided Materials:

Gradient ethanol, ditilled water, 4% polyformaldehyde

Protocol：(for reference only)

1. Sample treatment

For paraffin section: dewax in xylene twice for 5-10min each. Rehydrate with series ethanol(100%,95%,85%,75%) for each level 3min,and finally in distilled water for 2min.

For frozen section: restore to RT and wash with distilled water for 2min.

For cultured cell: fix with 4% PFA for more than 10min.Then wash with distilled water twice for 2min each.

2. HE stain

1)Hematoxylin dyeing for 2-10 min (specific time adjusted according to dyeing results and experimental requirements), washing.

2) Differentiate with hydrochloric acid alcohol differentiation solution for 5-10 seconds and wash.

3) Use tap water or bluing solution for 10min to turn blue ,then wash by distilled water.

4) Treat with 95% alcohol for 1 min.

5) Stain with Eosin Y Alcoholic Solution,0.5% for 10-30 seconds.

6) Dehydrate twice with 95% alcohol without washing for 3-5 seconds each time, and twice with anhydrous alcohol for 3-5 seconds each time.

7) Transparent with xylene twice for 5 min each time.

8)Seal with neutral gum or other sealant.

Result：

Nucleus	Blue
Cytoplasm	Pink or Red

Note：

1. If dehydration, transparency and sealing are needed, self-prepared xylene, neutral gum or other scaling agents are required.
2. For your safety and health, please wear experimental clothes and disposable gloves.