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尼氏(Nissl)染色液

产品编号	产品名称	包装s
C0117	尼氏(Nissl)染色液	100ml

产品简介：

- 碧云天生产的尼氏(Nissl)染色液(Nissl Staining Solution)是神经生物学家广泛使用的一种Nissl染色液，用于石蜡或冰冻切片神经元细胞浆中的尼氏小体(Nissl body)染色。
- Nissl染色是以德国的精神病学家和神经病理学家Franz Nissl的名字命名的。
- Nissl染色液染色后呈蓝紫色，常用于显示脑或脊髓的基本神经结构。Nissl小体大而数量多，说明神经细胞合成蛋白质的功能较强；相反在神经细胞受到损伤时，Nissl小体的数量会减少甚至消失。
- 本Nissl染色液染色的有效成分是Cresyl violet。Cresyl violet可以和RNA或DNA结合，可以染色粗面型内质网上的核糖体，也可以染色细胞核。染色后使细胞体呈现斑驳的(mottled)蓝紫色染色。
- 一个包装的本染色液至少可以染色200个样品。

包装清单：

产品编号	产品名称	包装
C0117	尼氏(Nissl)染色液	100ml
—	说明书	1份

保存条件：

室温避光保存，至少一年有效。

注意事项：

- **特别注意：**Nissl染色液的染色能力很强，并且染色后很难去除，请注意勿使染色液沾染皮肤和衣物等。
- 需自备4%多聚甲醛、70%乙醇和95%乙醇。如果需要脱水、透明和封片处理，还需自备二甲苯，中性树胶或其它封片剂。如果样品是石蜡切片，需自备90%乙醇，无水乙醇以及二甲苯。
- 样品数量较多时，可以使用碧云天生产的染色架和染色缸，便于操作。
- 第一次使用本试剂盒时建议先取1-2个样品做预实验。
- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

使用说明：

1. **样品处理**
   a. **对于石蜡切片：**
      二甲苯中脱蜡5-10分钟，共三次。注：脱蜡不充分会导致染色不均匀。
      无水乙醇5分钟。
      90%乙醇2分钟。
      70%乙醇2分钟。
      蒸馏水2分钟。
   b. **对于冰冻切片：**
      用4%多聚甲醛固定10分钟以上。
      蒸馏水洗涤2分钟。
      换用新鲜的蒸馏水，再洗涤2分钟。
   c. **对于培养细胞：**
      用4%多聚甲醛固定10分钟以上。
      蒸馏水洗涤2分钟。
      换用新鲜的蒸馏水，再洗涤2分钟。
2. **尼氏(Nissl)染色**
   对于上述处理好的样品：
   尼氏(Nissl)染色液染色染色3-10分钟(可以根据染色结果和要求调整时间，染色时温度提高到37-50°C对于25-50微米等较厚的切片可以使染色更均匀)。

蒸馏水洗涤2次(每次数秒钟即可)。

95%乙醇约5秒。

此时，如果需要直接观察，可以用70%乙醇洗涤2次。如需脱水、透明后封片按后续步骤进行，70%乙醇洗涤后仍可按照后续步骤进行脱水、透明和封片处理。

注：如果用于免疫组化等染色后的复染，可以参考上述步骤在其它染色完成后直接进行尼氏(Nissl)染色。

3. 脱水、透明、封片或进行其它染色

a. 脱水、透明、封片：

95%乙醇脱水2分钟。

换用新鲜的95%乙醇再脱水2分钟。

二甲苯透明5分钟。

换用新鲜的二甲苯，再透明5分钟。

用中性树胶或其它封片剂封片。

显微镜下观察，细胞呈现斑驳的蓝紫色染色。

b. 进行其它染色：

如果进行免疫荧光染色，或进行Hoechst等荧光染料的染色，在Nissl染色液染色后：

70％乙醇洗涤2次，每次2分钟。

PBS或生理盐水或TBS或TBST等用于免疫染色或荧光染料染色的溶液浸泡5分钟。

然后就可以进行免疫荧光染色或其它荧光染料的染色了。

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