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## DAPI 染色液

产品编号	产品名称	包装
C1005	DAPI染色液	10ml

### 产品简介:

- DAPI染色液(DAPI Staining Solution)是经过精心优化几乎适用于所有常见细胞和组织细胞核染色的染色液。
- DAPI, 即 2-(4-Amidinophenyl)-6-indolecarbamide dihydrochloride, 也称 DAPI dihydrochloride, 分子式为  $C_{16}H_{15}N_5 \cdot 2HCl$ , 分子量为350.25, CAS Number 28718-90-3。
- DAPI是一种可以穿透细胞膜的蓝色荧光染料。和双链DNA结合后可以产生比DAPI自身强20多倍的荧光。和EB(ethidium bromide)相比, 对双链DNA的染色灵敏度要高很多倍。
- DAPI染色常用于细胞凋亡检测, 染色后用荧光显微镜观察或流式细胞仪检测。DAPI也常用于普通的细胞核染色以及某些特定情况下的双链DNA染色。
- DAPI的最大激发波长为340nm, 最大发射波长为488nm; DAPI和双链DNA结合后, 最大激发波长为364nm, 最大发射波长为454nm。
- 本DAPI染色液可以直接用于固定细胞或组织的细胞核染色。

### 包装清单:

产品编号	产品名称	包装
C1005	DAPI 染色液	10ml
—	说明书	1份

### 保存条件:

-20°C避光保存, 一年有效。

### 注意事项:

- 本DAPI染色液的浓度经过碧云天的优化, 确保可以满足各种常规染色的需要。如需使用特定浓度的DAPI, 请选购碧云天的DAPI (C1002)。
- 荧光染料都存在淬灭的问题, 建议染色后尽量当天完成检测。
- 为减缓荧光淬灭可以使用抗荧光淬灭封片液。抗荧光淬灭封片液(P0126)可以向碧云天订购。
- DAPI对人体有刺激性, 操作时请小心, 并注意适当防护以避免直接接触人体或吸入体内。
- 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. 对于细胞或组织样品, 固定后, 适当洗涤去除固定剂。随后如果需要免疫荧光染色, 则先进行免疫荧光染色, 染色完毕后再按后续步骤进行DAPI染色。如果不需要进行其它染色, 则直接进行后续的DAPI染色。
2. 对于贴壁细胞或组织切片, 加入少量DAPI染色液, 覆盖住样品即可。对于悬浮细胞, 至少加入待染色样品体积3倍的染色液, 混匀。
3. 室温放置3-5分钟。
4. 吸除DAPI染色液, 用TBST、PBS或生理盐水洗涤2-3次, 每次3-5分钟。
5. 直接在荧光显微镜下观察或封片后荧光显微镜下观察。细胞发生凋亡时, 会看到凋亡细胞的细胞核呈致密浓染, 或呈碎块状致密浓染。

### 相关产品:

产品编号	产品名称	包装
C1002	DAPI	5mg/ml × 0.2ml
C1005	DAPI染色液	10ml
C1006	DAPI染色液	50ml
C1011	Hoechst 33258	10mg
C1017	Hoechst 33258染色液	10ml

C1018	Hoechst 33258染色液	50ml
C1022	Hoechst 33342	10mg
C1025	Hoechst 33342染色液	10ml
C1026	Hoechst 33342染色液	50ml
C1027	Hoechst 33342活细胞染色液(100X)	0.1ml
C1028	Hoechst 33342活细胞染色液(100X)	0.5ml
C1029	Hoechst 33342活细胞染色液(100X)	3ml

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