



碧云天生物技术/Beyotime Biotechnology
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Hoechst 33342 染色液

产品编号	产品名称	包装
C1025	Hoechst 33342染色液	10ml

产品简介:

- Hoechst 33342, 也称bisBenzimide H 33342或HOE 33342。分子式为 $C_{27}H_{28}N_6O \cdot 3HCl \cdot 3H_2O$, 分子量为615.99, CAS Number 23491-52-3。
- Hoechst 33342是一种可以穿透细胞膜的蓝色荧光染料, 对细胞的毒性较低。
- Hoechst 33342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。Hoechst 33342也常用于普通的细胞核染色, 或常规的DNA染色。
- Hoechst 33342的最大激发波长为346nm, 最大发射波长为460nm; Hoechst 33342和双链DNA结合后, 最大激发波长为350nm, 最大发射波长为461nm。
- 本Hoechst 33342染色液可直接用于固定细胞或组织的细胞核染色, 也可直接用于活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
C1025	Hoechst 33342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Hoechst 33342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Hoechst 33342, 请选购碧云天的Hoechst 33342 (C1022)。如需染色活细胞或培养的组织, 请选购碧云天的Hoechst 33342活细胞染色液(100X) (C1027、C1028或C1029), 效果更佳。
- 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。活细胞或组织染色后应立即观察。
- 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。
- Hoechst 33342对人体有害, 操作时请小心, 并注意有效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. 对于固定的细胞或组织:

- 对于细胞或组织样品, 固定后, 适当洗涤去除固定剂。随后如果需要进行免疫荧光染色, 则先进行免疫荧光染色, 染色完毕后再按后续步骤进行Hoechst 33342染色。如果不需要进行其它染色, 则直接进行后续的Hoechst 33342染色。
- 对于贴壁细胞或组织切片, 加入少量Hoechst 33342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。室温放置3-5分钟。
- 吸除Hoechst 33342染色液, 用TBST、PBS或生理盐水洗涤2-3次, 每次3-5分钟。
- 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。

2. 对于活细胞或培养的组织:

- 加入适当量Hoechst 33342染色液, 必须充分覆盖住待染色的样品, 通常对于六孔板一个孔需加入1ml染色液, 对于96孔板一个孔需加入100微升染色液。
- 在适宜于细胞培养的温度培养20-30分钟。弃染色液, 用PBS或培养液洗涤2-3次即可进行荧光检测。细胞发生凋亡时, 在荧光显微镜下观察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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