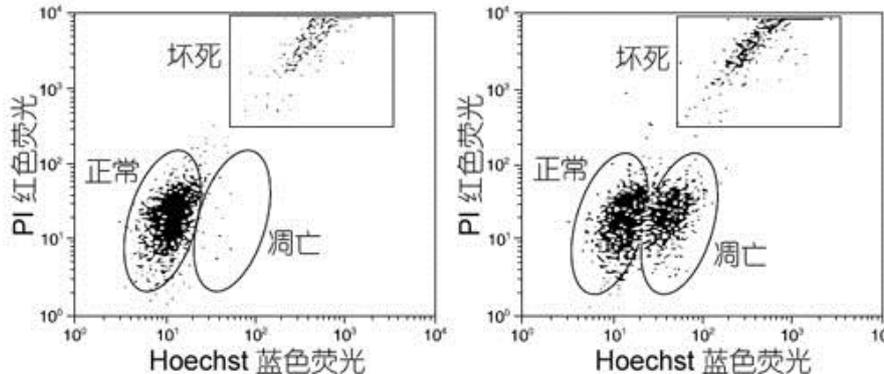


细胞凋亡与坏死检测试剂盒

产品编号	产品名称	包装
C1056	细胞凋亡与坏死检测试剂盒	100次

产品简介:

- 碧云天生产的细胞凋亡与坏死检测试剂盒(Apoptosis and Necrosis Assay Kit)为您提供了一种经典而又快速简便的细胞凋亡与细胞坏死检测方法。
- 本试剂盒采用Hoechst 33342和碘化丙啶(Propidium Iodide, PI)双染的方法。细胞发生凋亡时,染色质会固缩。Hoechst 33342可以穿透细胞膜,染色后凋亡细胞荧光会比正常细胞明显增强。碘化丙啶(PI)不能穿透细胞膜,对于具有完整细胞膜的正常细胞或凋亡细胞不能染色。而对于坏死细胞,其细胞膜的完整性丧失,碘化丙啶(PI)可以染色坏死细胞。上述两种染料双染后,使用流式细胞仪或荧光显微镜检测时,正常细胞为弱红色荧光+弱蓝色荧光,凋亡细胞为弱红色荧光+强蓝色荧光,坏死细胞为强红色荧光+强蓝色荧光。参考下图,左图为诱导凋亡前的正常细胞,右图为诱导凋亡后的细胞。



- 染色快速方便,两种染料的染色仅需20-30分钟,一步染色即可完成。
- 使用方便,使用流式细胞仪检测时,无需稀释等配制过程,也无需再准备其它任何溶液。
- 本试剂盒足够检测100个样品,每个样品的细胞数量可以为10-100万。

包装清单:

产品编号	产品名称	包装
C1056-1	细胞染色缓冲液	100ml
C1056-2	Hoechst染色液	0.5ml
C1056-3	PI染色液	0.5ml
—	说明书	1份

保存条件:

4°C保存六个月有效, -20°C保存一年有效。Hoechst染色液和PI染色液需避光保存。

注意事项:

- 需使用流式细胞仪进行红色和蓝色双荧光检测。也可使用荧光显微镜检测。
- 染色后宜尽快检测。
- 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。碘化丙啶(PI)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. 每个样品收集约10-100万细胞于1.5ml离心管内,离心弃上清。细胞沉淀用0.8-1毫升细胞染色缓冲液重悬。
2. 加入5微升Hoechst染色液。
3. 加入5微升PI染色液。
4. 混匀,冰浴或4°C孵育20-30分钟。

5. 用流式细胞仪检测红色荧光和蓝色荧光。
6. 如果使用荧光显微镜检测，检测前离心沉淀细胞，用PBS洗涤一次，再涂片观察红色荧光和蓝色荧光。对于贴壁细胞使用荧光显微镜检测，可以不收集细胞，直接依次按照上述比例加入细胞染色缓冲液、Hoechst染色液和PI染色液冰浴或4℃染色20-30分钟。染色后PBS洗涤一次，再在荧光显微镜下观察。

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