

台盼蓝染色细胞存活率检测试剂盒

产品编号	产品名称	包装
C0011	台盼蓝染色细胞存活率检测试剂盒	100次

产品简介:

- 碧云天生产的台盼蓝染色细胞存活率检测试剂盒(Trypan Blue Staining Cell Viability Assay Kit), 是利用正常的健康细胞能够排斥台盼蓝, 而丧失细胞膜完整性的细胞可以被台盼蓝染色研制而成。严格来说, 台盼蓝染色检测的是细胞膜的完整性, 通常认为细胞膜丧失完整性, 即可认为细胞已经死亡。
- 台盼蓝染色后, 通过显微镜下直接计数或显微镜下拍照后计数, 就可以对细胞存活率进行比较精确的定量。台盼蓝染色后的HeLa细胞请参考图1。

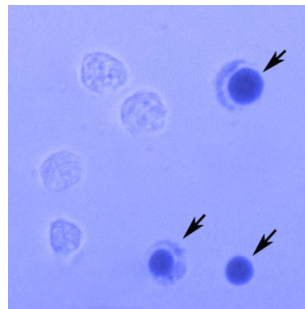


图1. 细胞台盼蓝染色效果图。胰酶消化下来的HeLa细胞, 1000g离心1分钟, 弃上清, 用适量细胞重悬液重悬后, 用等体积台盼蓝染色液(2X)染色。箭头所示为台盼蓝染色的死亡细胞。注: 本HeLa细胞经过一定的细胞坏死诱导处理。

- 台盼蓝染色只需3-5分钟即可完成, 并且操作非常简单。
- 本试剂盒足够检测100个细胞样品。

包装清单:

产品编号	产品名称	包装
C0011-1	台盼蓝染色液(2X)	10ml
C0011-2	细胞重悬液	100ml
—	说明书	1份

保存条件:

4°C保存, 一年有效。

注意事项:

- 本试剂盒提供的两种溶液都是无菌的, 使用时最好在超净台内进行, 避免细菌污染。
- 本产品长时间存放可能会出现少量颗粒状沉淀, 可在37°C水浴约10分钟以充分溶解沉淀。沉淀完全溶解后即可正常使用。
- 台盼蓝对人体有毒, 操作时请特别小心, 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. 收集细胞:

对于贴壁细胞先用胰酶和/或EDTA消化下细胞。对于悬浮细胞, 则可以直接收集细胞。把收集的细胞在1000-2000g离心1分钟, 弃上清, 用1毫升或根据细胞的量用适当细胞重悬液重新悬起细胞。

2. 台盼蓝染色:

吸取100微升重悬的细胞到一塑料离心管内, 加入100微升台盼蓝染色液(2X), 轻轻混匀, 染色3分钟 (染色3分钟时间已经足够, 染色时间可以更长一些, 但不宜超过10分钟)。

注: 对于重悬于细胞培养液中的细胞, 也可以直接加入等体积的台盼蓝染色液(2X)进行染色。

3. 计数:

吸取少量经过染色的细胞, 用血细胞计数板计数。通常如果要比较精确地进行定量, 每个细胞样品至少数500个细胞, 数出

蓝色细胞和细胞总数。

细胞存活率=(细胞总数-蓝色细胞数)/细胞总数×100%

使用本产品的文献：

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