



碧云天生物技术/Beyotime Biotechnology  
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## 胰酶细胞消化液(0.05%胰酶)

产品编号	产品名称	包装
C0202	胰酶细胞消化液(0.05%胰酶)	100ml

### 产品简介:

- 碧云天生产的胰酶细胞消化液(Trypsin-EDTA Solution)含0.05%胰酶和0.02%EDTA, pH值为7.2-7.8。该消化液经过过滤除菌, 可以直接用于培养细胞的消化, 或者一些组织的消化。
- 本胰酶细胞消化液具有方便快捷的特点, 通常室温消化1分钟左右就可以消化下大多数贴壁细胞。

### 包装清单:

产品编号	产品名称	包装
C0202	胰酶细胞消化液(0.05%胰酶)	100ml
—	说明书	1份

### 保存条件:

4℃保存, 一年有效。短期内不使用, 推荐-20℃保存, -20℃可以保存更长时间。

### 注意事项:

- 在使用胰酶细胞消化液的过程中要特别注意避免消化液被细菌污染。
- 胰酶细胞消化液消化细胞时间不宜过长, 否则细胞铺板后生长状况会较差。
- 本产品不宜整体回复至室温或37℃预热, 室温存放或37℃加热会导致本产品酶活性下降。如果需要预热本产品后使用, 宜仅取出所需使用的量进行预热。
- 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. 贴壁细胞的消化:

- 吸去培养液, 用无菌的PBS、Hanks液或无血清培养液洗涤细胞一次, 以去除残余的血清。
- 加入少量胰酶细胞消化液, 略盖过细胞即可, 室温放置30秒至2分钟。不同的细胞消化时间有所不同。
- 显微镜下观察, 细胞明显收缩, 并且肉眼观察培养器皿底部发现细胞的形态发生明显的变化; 或者用枪吹打细胞发现细胞刚好可以被吹打下来。此时吸除胰酶细胞消化液。加入含血清的完全细胞培养液, 吹打下细胞, 即可直接用于后续实验。
- 如果发现消化不足, 则加入胰酶细胞消化液重新消化。  
如果发现细胞消化时间过长, 未及吹打细胞, 细胞已经有部分直接从培养器皿底部脱落, 直接用胰酶细胞培养液把细胞全部吹打下来。1000-2000g离心1分钟, 沉淀细胞, 尽量去除胰酶细胞消化液后, 加入含血清的完全培养液重新悬浮细胞, 即可用于后续实验。

#### 2. 组织的消化:

- 不同的组织需要消化的时间相差很大, 通常以消化后可以充分打散组织为宜。

### 附录: 不同胰酶细胞消化液的比较和选择

1. 如果希望消化能力比较强, 推荐选择C0201 胰酶细胞消化液(0.25%胰酶)和C0203 胰酶细胞消化液(0.25%胰酶, 含酚红), 这两种胰酶细胞消化液都含有EDTA, 消化能力相对更强一些。
2. 如果希望观察比较方便, 推荐选择含酚红的C0203 胰酶细胞消化液(0.25%胰酶, 含酚红)和C0207 胰酶细胞消化液(0.25%胰酶, 含酚红, 不含EDTA)。
3. 对于酚红可能会干扰后续的分析, 推荐选择不含酚红的C0201 胰酶细胞消化液(0.25%胰酶)和C0205 胰酶细胞消化液(0.25%胰酶, 不含EDTA)。
4. 对于EDTA可能会干扰后续的分析时, 推荐选择不含EDTA的C0205 胰酶细胞消化液(0.25%胰酶, 不含EDTA)和C0207 胰酶细胞消化液(0.25%胰酶, 含酚红, 不含EDTA)。
5. 对于胰酶特别敏感的细胞, 即对于消化时间特别快、消化时间比较难控制的情况, 推荐选择C0202胰酶细胞消化液(0.05%胰酶)或C0204 胰酶细胞消化液(0.05%胰酶, 含酚红)。

### 相关产品:

产品编号	产品名称	包装
C0201	胰酶细胞消化液(0.25%胰酶)	100ml
C0202	胰酶细胞消化液(0.05%胰酶)	100ml
C0203	胰酶细胞消化液(0.25%胰酶, 含酚红)	100ml
C0204	胰酶细胞消化液(0.05%胰酶, 含酚红)	100ml
C0205	胰酶细胞消化液(0.25%胰酶, 不含EDTA)	100ml
C0207	胰酶细胞消化液(0.25%胰酶, 含酚红, 不含EDTA)	100ml

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