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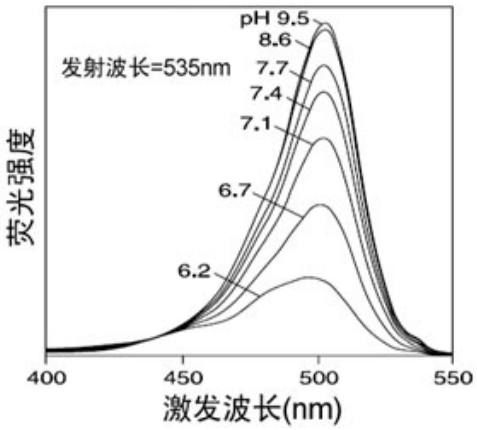
BCECF AM (pH荧光探针, 5mM)

产品编号	产品名称	包装
S1006	BCECF AM (pH荧光探针, 5mM)	50微升

产品简介:

- BCECF AM，即2',7'-bis-(2-carboxyethyl)-5-(and-6)-carboxyfluorescein, acetoxymethyl ester，是最常用的检测细胞内pH的荧光探针。
- 本BCECF AM (pH荧光探针)是配制于无水DMSO (anhydrous DMSO)中的储存液，浓度为5mM。
- BCECF AM是一种可以穿透细胞膜的荧光染料。BCECF AM没有荧光，进入细胞后可以被细胞内的酯酶剪切形成BCECF，从而被滞留在细胞内。BCECF在适当的pH值情况下可以被激发形成绿色荧光。最大激发波长和发射波长因pH的不同而有所不同，最大激发波长大致在503nm左右, 最大发射波长大致在520nm左右, 实际检测时推荐使用的激发波长为488nm, 发射波长为535nm。BCECF在不同pH条件下的发射光谱参考下图。



- BCECF AM不仅被广泛用于哺乳动物细胞的研究，也有报道用于动物组织、植物细胞、细菌和酵母等的细胞内pH水平检测。在有细胞内pH变化的细胞毒性、细胞凋亡、细胞粘附、药物抵抗、细胞趋化等过程中BCECF AM被广泛应用。
- 用于细胞内pH检测时，常用的BCECF AM的浓度为1-10μM。

包装清单:

产品编号	产品名称	包装
S1006	BCECF AM (pH荧光探针, 5mM)	50微升
—	说明书	1份

保存条件:

-20°C避光保存，一年有效。

注意事项:

- 本产品对人体有害，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BCECF AM在4°C、冰浴等较低温度情况下会凝固而粘在离心管管底、管壁或管盖内，可以20-25°C水浴温育片刻至全部融解后使用。
- 荧光染料均存在淬灭问题，请尽量注意避光，以减缓荧光淬灭。
- 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。

使用本产品的文献:

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