

國立臺灣大學研發成果技術行銷表

臺大案號: 10A(06A-101119)

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技術名稱	一種控制細胞貼附與脫附的系統
發明人/單位	楊台鴻、陳頤欣、張旭賢/醫學工程學所
技術內容	一種控制細胞貼覆與脫附的系統，包括具有酸鹼應答特性之高分子基材及特定環境酸鹼值之培養基，藉由一簡易而方便的特定技術控制細胞的吸附與脫附。
應用範圍	細胞培養，細胞篩選，組織工程
產品/技術優勢	方便，快速，簡單，由於製程簡易，故進入本國市場的可行性佳。
智慧財產權	專利申請中

Marketing Abstract of NTU's Invention Disclosure

NTU's docket no: 10A(06A-101119)

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Title	The Cell Adhesiveness Control System
Inventor (s)	Tai-Horng Young, Yi-Hsin Chen, Hsu-Hsien Chang / Institute of Biomedical Engineering
Brief Description	A cell adhesiveness control system, including a pH-responsive polymeric substrate and specific environmental pH media. The pH –responsive characteristic of polymer is applied to the system within near-neutral range. The surface charge of the polymeric substrate, which is correlated with the environmental pH, will dramatically affect the cell adhesiveness on the substrate so that the cell adhesiveness can be further controlled.
Fields of Application	A cell adhesiveness control system
Advantages	<ol style="list-style-type: none">1. Use easily2. There are no the commercial system that controlling cells adhesiveness, so that this invention is a market potential.
IP Right(s)	Patent pending