

Xfect / Xfect Stem

Xfect™ the unexpected

- ▶ High efficiency, low cytotoxicity
- ▶ Simple, serum-compatible protocol

Xfect

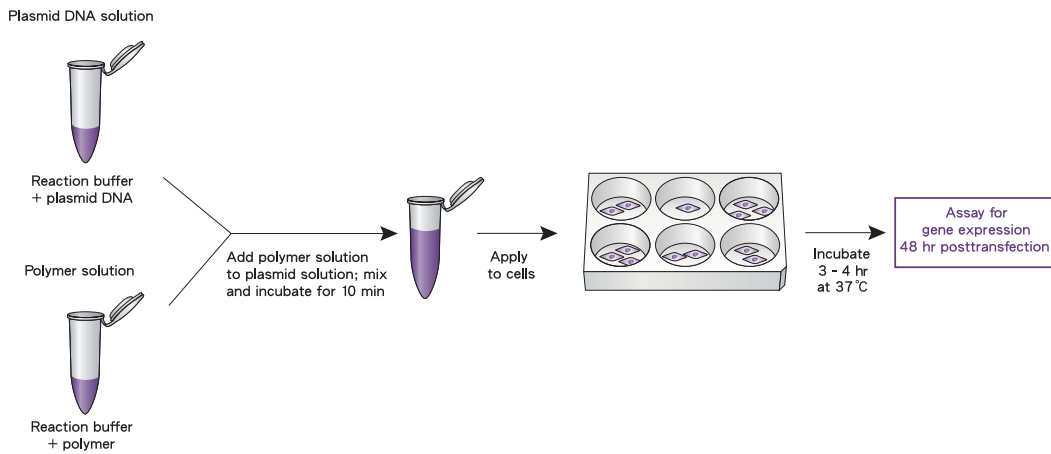
Efficient transfection in a wide range of cell types

Xfect Stem

Your solution for mouse ES cells



經過幾年研究，麻省理工大學終於從超過 2300 種生物可分解奈米分子中選出兩種，對生物無毒性，且具有高轉殖效率的奈米分子。Clontech 購買專利研發權，生產出 Xfect 及 Xfect Stem 兩種試劑。其中 Xfect 已成功轉殖幾種細胞株，包括 MCF-7 及 Jurkat T cells 等。而 Xfect Stem 更成功轉殖 mouse ES Cell line。由於 Xfect / Xfect Stem 毒性低且可被生物所分解，更方便的是可在 Serum 存在下作用。



與市面常見產品相比，Xfect 有高轉殖率，細胞同時保有高度活性

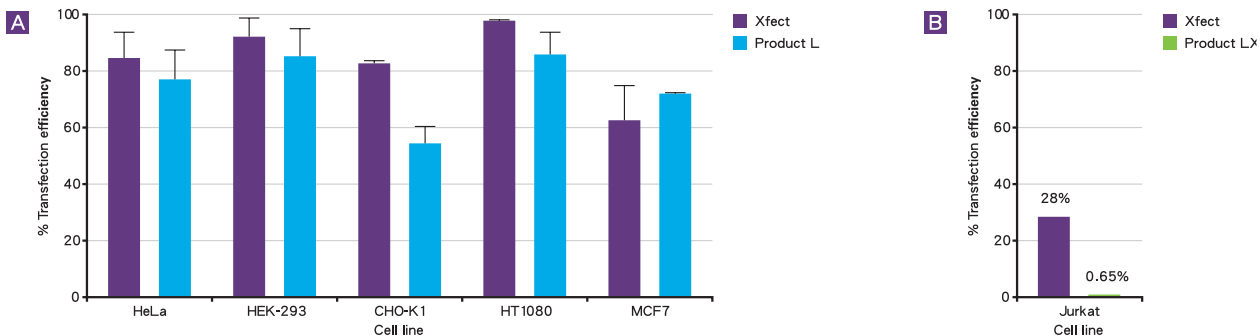


Table 1: Cells Transfected with Xfect have High Viability

	Xfect (%)	Product L (%)
HeLa	79.4% ± 17.9	53.2 ± 26.7
HEK-293	63.5 ± 12.5	52.3 ± 12.4
CHO-K1	86 ± 0.8	90.9 ± 10.7
MCF7	51.4 ± 10.6	29.7 ± 21.3

Figure 1. Obtain high transfection efficiencies in many cell types with Xfect, including hard-to-transfect cells. Xfect and Competitor Product L (Panel A) or Xfect and Competitor Product LX (Panel B) were used according to their respective protocols to transfect the cell lines listed above with plasmid DNA encoding AcGFP1, in a 6-well format. 48 hr posttransfection, AcGFP1 expression was assessed by flow cytometry in order to determine transfection efficiency.

Xfect Stem 在 mouse ES cell 效率高達 8 成！

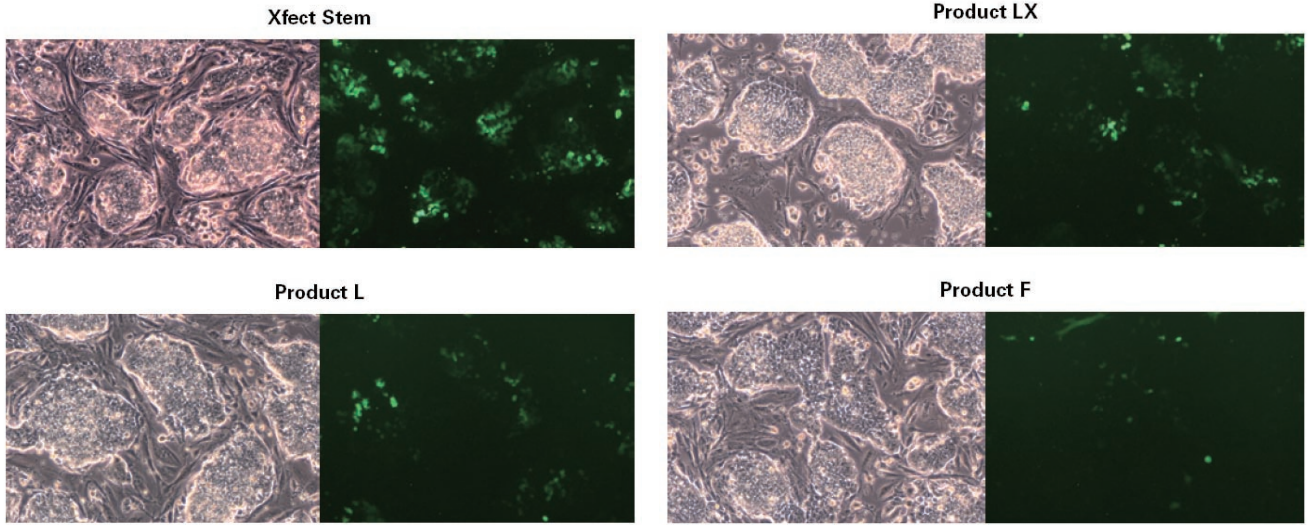


Figure 2. Xfect Stem exhibits far higher transfection efficiency than leading competitor reagents. ES-E14TG2a mES cells were transfected in a 6-well plate format with a plasmid expressing AcGFP1 using Xfect Stem, Product L, Product LX, or Product F according to each manufacturer's recommended protocol. 48 hr posttransfection, the cells were imaged using white light (lefthand images) and by fluorescence microscopy using a Zeiss® Axioskop™ microscope equipped with a GFP filter (righthand images).

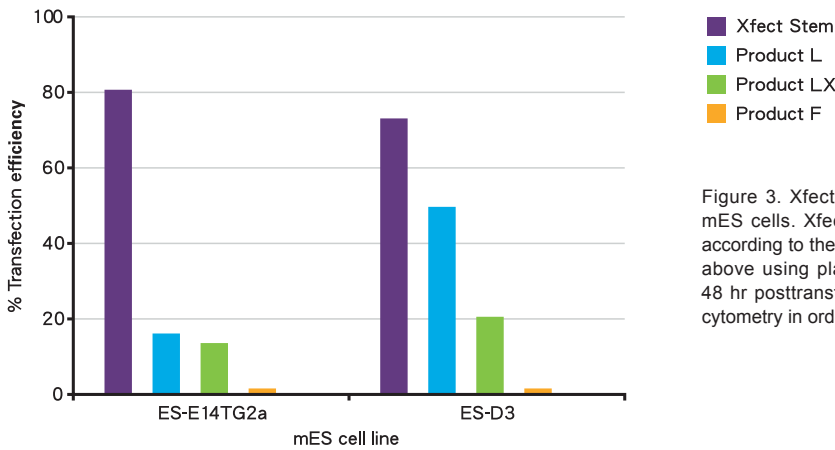
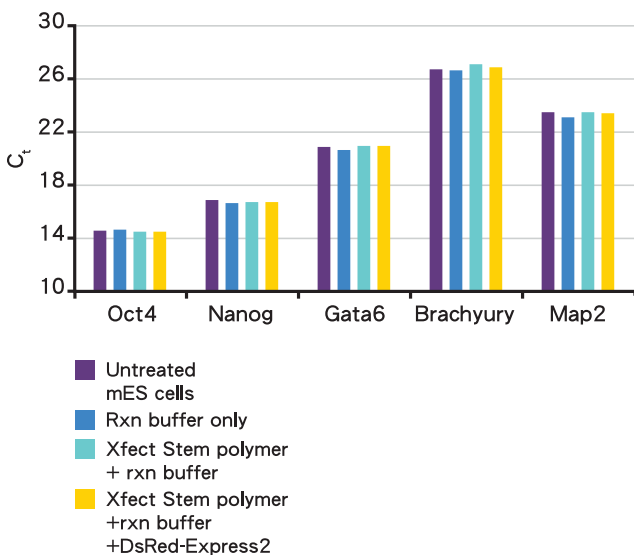


Figure 3. Xfect Stem provides superior transfection efficiency in mES cells. Xfect Stem and three competitor reagents were used according to their respective protocols to transfect the cell lines listed above using plasmid DNA encoding AcGFP1, in a 6-well format. 48 hr posttransfection, AcGFP1 expression was assessed by flow cytometry in order to determine transfection efficiency.

No off-target effect !



訂購資訊

貨號	品名	包裝
631317	Xfect™	100 rxns
631318	Xfect™	300 rxns
631320	Xfect™ Stem	100 rxns
631321	Xfect™ Stem	300 rxns

(詳洽各區業務)
新品上市~不滿意退費
 Xfect 631316 / Xfect Stem 631319 試用價 **1200**