

Superior Transfection Efficiency

Based on the unique polymer synthesis technologies, we are currently developing and manufacturing four categories of DNA/siRNA transfection reagents, which show distinct transfection characteristics compared with the leading products in the market.

Reagents	Key Features	Tranfection Type	Replacement
<i>PeneFect</i>	<ul style="list-style-type: none"> > Simple & robust transfection procedure > Cost-effective 	DNA	<i>Fugene 6</i>
<i>LiFect293</i>	<ul style="list-style-type: none"> > Best for suspension 293 cells > High levels of recombinant protein production 	DNA	<i>293fectin</i>
<i>PrimeFect</i>	<ul style="list-style-type: none"> > Superior transfection efficiency for a broad range of cell lines 	DNA, RNA	<i>Lipofectamine 2000</i>
<i>GreenFect</i>	<ul style="list-style-type: none"> > Superior transfection efficiency for difficult-to-transfect cells 	DNA, RNA DNA/RNA	<i>Lipofectamine 3000</i>

Product Name	Cat. #	Size	Price
PeneFect™ Transfection Reagent	M0001	1 ml	\$149
LiFect293™ Transfection Reagent	M0002	1 ml	\$199
PrimeFect™ Transfection Reagent	M0003	0.75 ml	\$199
GreenFect™ Transfection Reagent	M0004	1 ml	\$299

Publications

1. [Intranasal pediatric parainfluenza virus-vectored SARS-CoV-2 vaccine is protective in monkeys.](#)

Publication: *Cell* Product: LiFect293™ Transfection Reagent

2. [A multiclade env-gag VLP mRNA vaccine elicits tier-2 HIV-1-neutralizing antibodies and reduces the risk of heterologous SHIV infection in macaques.](#)

Publication: *Nature Medicine* Product: LiFect293™ Transfection Reagent

Contact Us

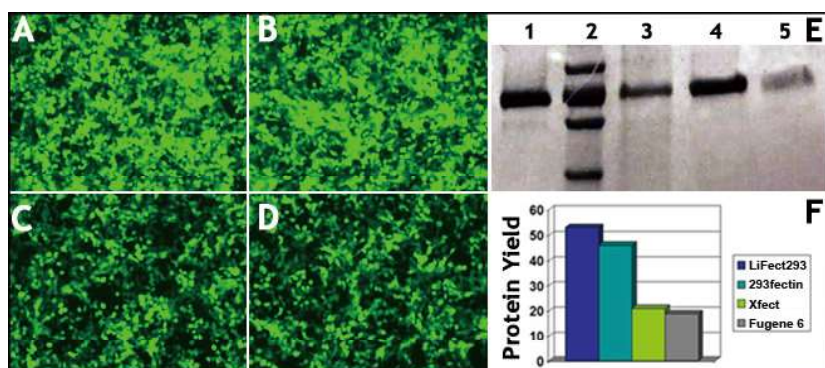
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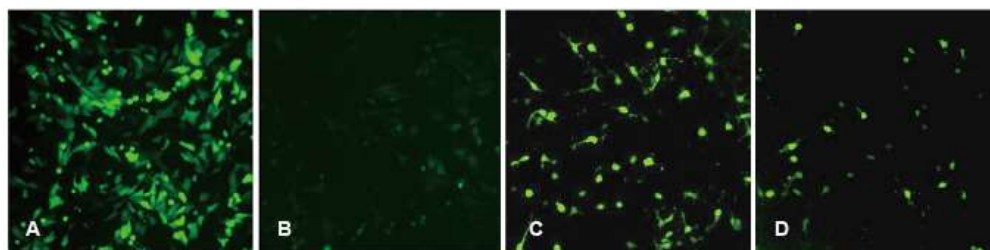


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Case Study

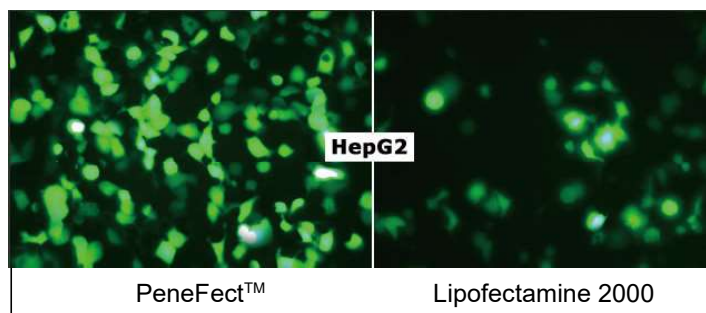


Comparison of LiFect293™ reagent vs. 293fectin, Xfect and Fugene 6 transfection reagents on protein production with suspension 293F cells. 30 ml of 293F cell cultured in standard culture medium was transfected with pEGFP-6xHis plasmid using LiFect293™ Transfection Reagent (20 µg plasmid DNA), 293fectin (30 µg plasmid DNA), Xfect (30 µg plasmid DNA) and Fugene 6 (30 µg plasmid DNA) per manufacturers' standard transfection protocols. GFP fluorescence was visualized 48 hours post transfection (left panel) with A for LiFect293, B for 293fectin, C for Xfect and D for Fugene 6. The 6xHis tagged GFP protein was then purified via Ni-NTA affinity column. 5 µl of 1st elution fraction was resolved on SDS-PAGE followed by Coomassie Brilliant Blue staining (right upper panel E) with the lane 1 for LiFect293, lane 2 for protein marker, lane 3 for Xfect, lane 4 for 293fectin and lane 5 for Fugene 6. The protein yield was quantified via spectrometer (right lower panel F).

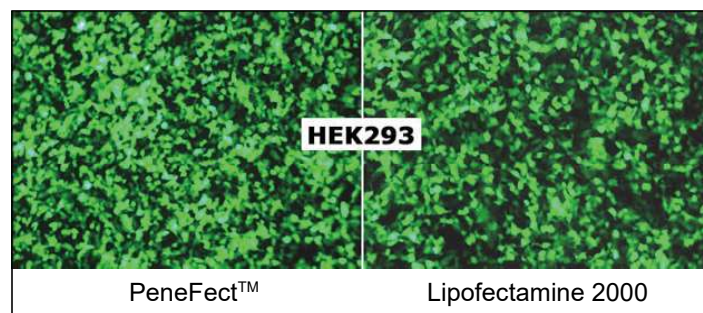


PrimeFect™ transfection efficiencies for siRNA. HeLa cell line was transfected with either a GFP cDNA (A), or co-transfected with GFP cDNA and an anti-GFP siRNA (B). Transfection efficiencies were assessed by GFP signal.

Comparison of PrimeFect™ and Lipofectamine 2000 in plasmid transfection on mouse neuronal cells. Mouse neuronal cells were transfected with a GFP-expressing plasmid using either PrimeFect™ transfection reagent (C), or Lipofectamine® 2000 (D). Cells were visualized 48 hours post-transfection under fluorescence microscopy (GFP filter).



Transfection efficiency comparison of PeneFect™ vs. Lipofectamine 2000 on HepG2 cells. HepG2 cells were transfected with GFP vector (pEGFP-N3) by PeneFect™ (left panel) and Lipofectamine 2000 (right panel) respectively. The cells were visualized by Nikon Eclipse Fluorescence microscope 24 hours post transfection.



Transfection efficiency comparison of PeneFect™ vs. Lipofectamine 2000 on HEK293FT cells. HEK-293T cells were transfected with GFP vector (pEGFP-N3) by PeneFect™ (left panel) and Lipofectamine 2000 (right panel) respectively. The cells were visualized by Nikon Eclipse Fluorescence microscope 24 hours post transfection.

Related Products

Product Name	Cat. #	Size	Price
2× ExSembly™ Cloning Master Mix	M0005	10 rxns	\$169
LiGreen™ Plus Nucleic Acid Gel Stain	M0050	500 µl	\$119
IntactProtein™ Cell-Tissue Lysis Kit	415 M	50 ml	\$120
LiPure™ Streptavidin Magnetic Beads	M0129	1 ml	\$99