



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

"We are happy to share with you that the sample given to us has worked very good. The results are really satisfactory. We would like to shift totally towards LifeSct from Lipofectamine and Fugene for our experiments in future."

----- India THSTI, Tripti Shrivastava, PHD

**Please Request Free Products of PrimeFect™ Today!** ([www.lifesct.com/Free-Samples](http://www.lifesct.com/Free-Samples))

Product Name	Cat. #	Size	Price
LiFect293™ Transfection Reagent	M0002-01	1 ml	\$199
PrimeFect™ Transfection Reagent	M0003-01	1 ml	\$199
GreenFect™ Transfection Reagent	M0004-01	0.75 ml	\$299
PeneFect™ Transfection Reagent	M0001-01	1 ml	\$149

Please click the link [www.lifesct.com/transfection](http://www.lifesct.com/transfection) for more information

### Related Services



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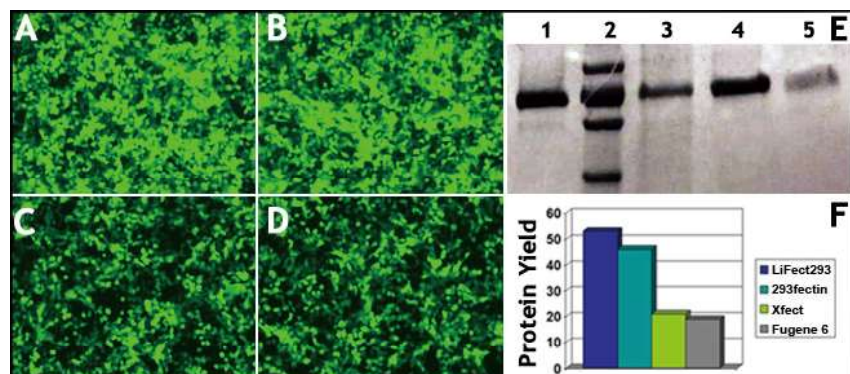
LifeSct LLC

Tel: 240-715-2985

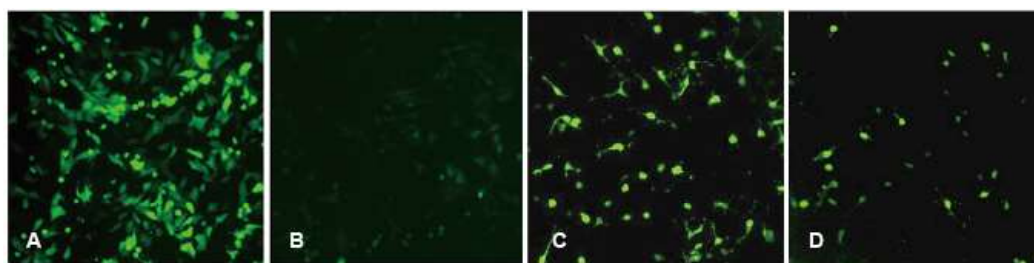
Email: [sales@lifesct.com](mailto:sales@lifesct.com)

Website: [www.lifesct.com](http://www.lifesct.com)

## Case Study

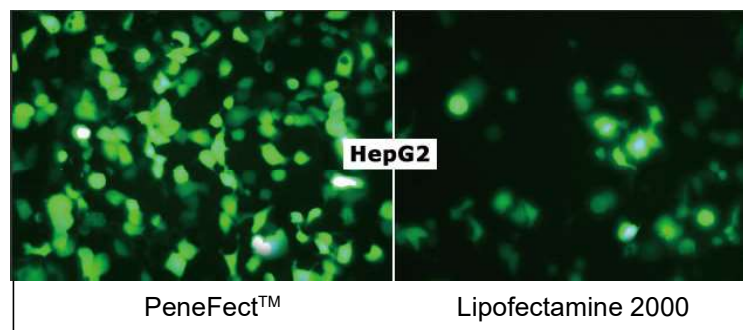


**Comparison of LiFect293™ reagent vs. 293fectin, Xfect and Fugene 6 transfection reagents on protein production with suspension 293F cells.** 30 ml of 293F cell cultured in standard culture medium was transfected with pEGFP-6xHis plasmid using LiFect293™ Transfection Reagent (20 µg plasmid DNA), 293fectin (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).

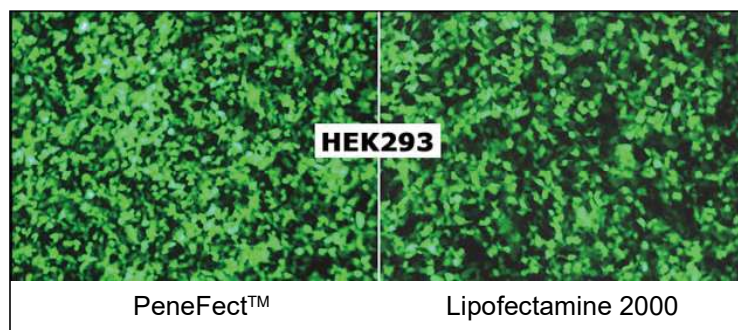


**PrimeFect™ transfection efficiencies for siRNA.** HeLa cell line was transfected with either a GFP cDNA (A), or co-transfected with GFP cDNA and an anti-GFP siRNA (B). Transfection efficiencies were assessed by GFP signal.

**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 rxn	\$169
Plasmid Mini Kit	M0057-20	200 rxn	\$259
LiGreen™ Plus Nucleic Acid Gel Stain	M0050-05	500 µl	\$119
SuperECL™ Plus Western Blotting Detection Kit	M0053-05	2×50 ml	\$249