



GenePORTER[®] 3000

t r a n s f e c t i o n r e a g e n t

A New World of Opportunity For Difficult to Transfect Cell Lines



GenePORTER® 3000 Transfection Reagent

- Designed specifically for hard-to-transfect cells
- Over 700 GenePORTER lipid citations
- Optimized for same-day transfection
- Superior performance in both serum & serum-free media
- Value priced so your research dollars will go further



GenePORTER 3000 Transfection Reagent is Genlantis' newest molecular delivery lipid. It can effectively overcome numerous barriers to effective transfection, including cell-specific extracellular membranes, cytoplasmic degradation, and the nuclear membrane. GenePORTER 3000 overcomes all of these challenges while minimizing cytotoxicity.

The key to GenePORTER 3000's exceptional ability to effectively transfect difficult cell lines is Genlantis' proprietary Advanced Conjugation Enhancement (ACE) technology, a nuclear targeting mechanism that consistently delivers the most effective performance of any reagent on the market.

Backed by many years of transfection expertise and applied research, GenePORTER 3000 comes from a distinguished and proven pedigree of GenePORTER lipids that provide the highest quality and performance in difficult to transfect cell lines.

Genlantis is so confident that GP3K will provide better results, we back it with our industry leading Double Satisfaction Guarantee*

GenePORTER 3000 Benefits

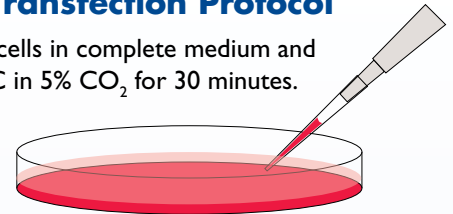
- Rapid protocol: 4.5 hours total processing time.
- Higher density cells/well increases overall expression.
- Use of freshly detached cells, and serum-free protocol improves transfection results noticeably.
- Amenable to high throughput applications.

Cell Line	Transfection Medium	Online Protocol*
RAW 264.7	Serum-free	Specific
Hep G2	Serum-free	Specific
MCF-7	Serum-free	Normal
Jurkat E6-1	Serum-free	Normal
HeLa S3	Serum-free	Normal
NIH 3T3	Serum-free	Normal
CHO-K1	Serum-free	Normal
HEK 293	Serum	Normal

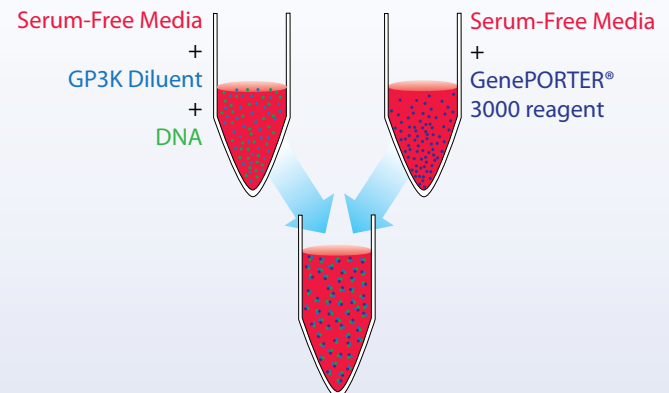
* Available at genlantis.com

Same-Day Transfection Protocol

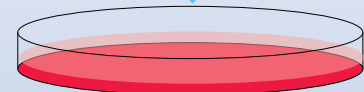
1. Plate log-phase cells in complete medium and incubate at 37°C in 5% CO₂ for 30 minutes.



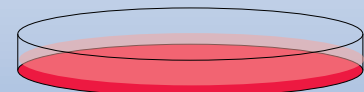
2. During incubation, prepare GenePORTER 3000 lipoplexes.



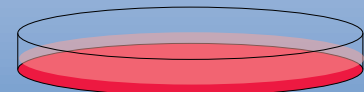
3. Remove complete medium. Replace with an equal volume of serum-free medium. Add GP3K lipoplexes.



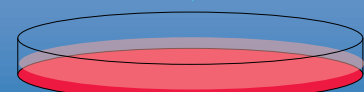
4. Incubate cells for 4 hours



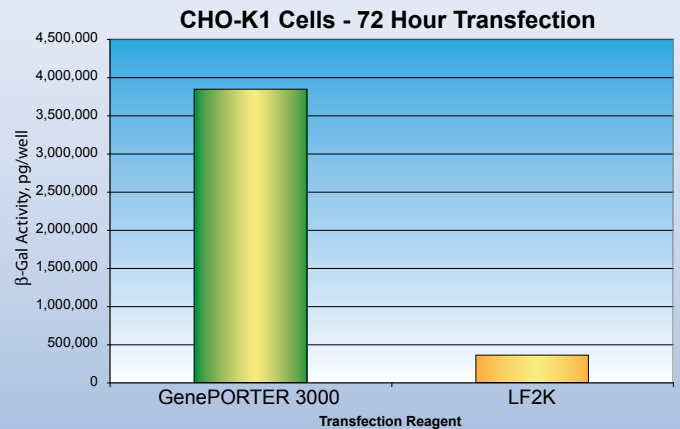
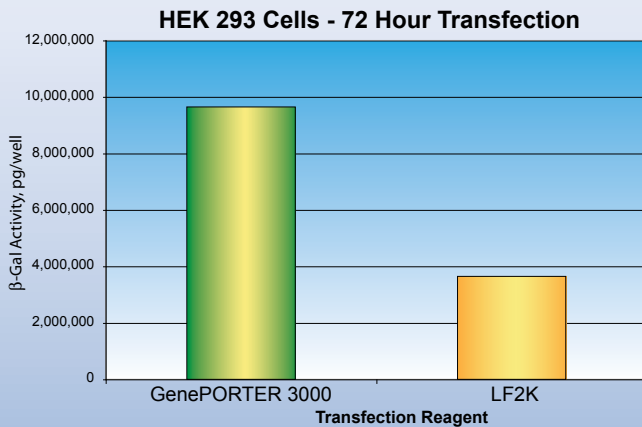
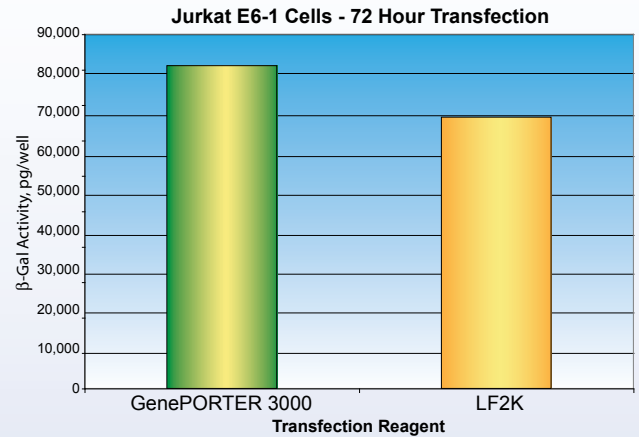
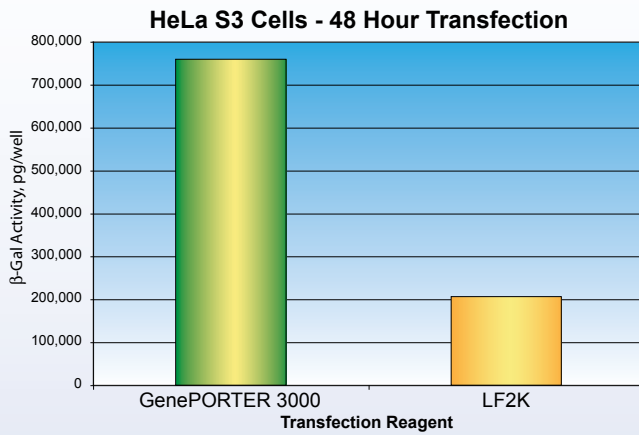
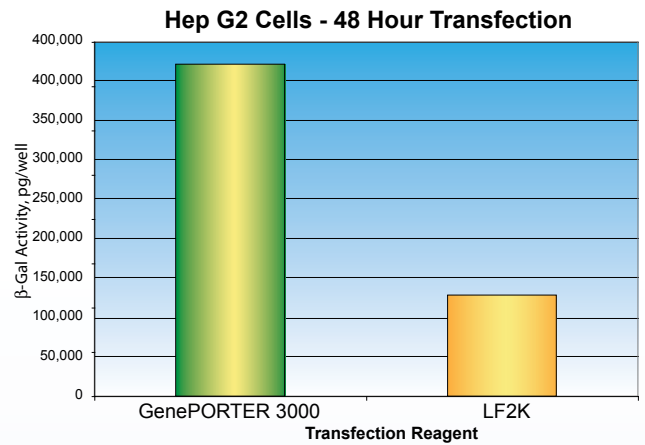
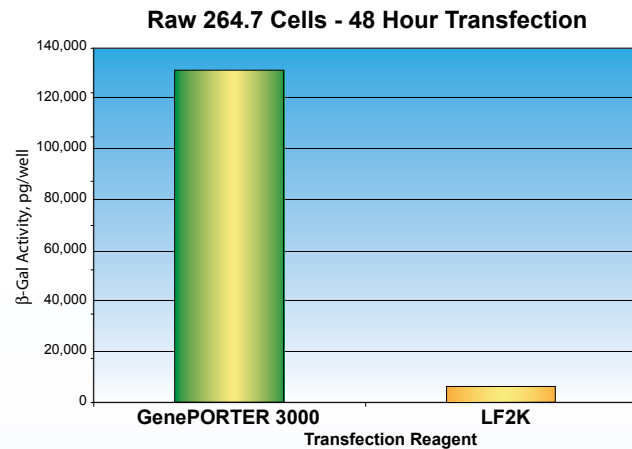
5. Add equal transfection volume complete medium with 20% serum.



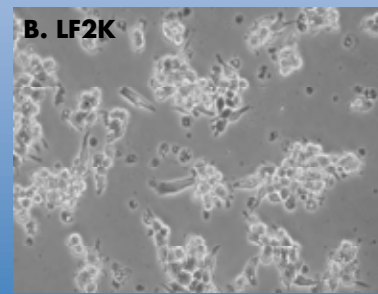
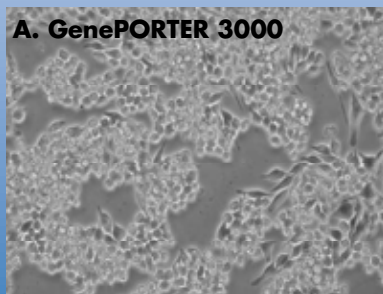
6. Assay after 24-72 hours.



Powerful Transfection Performance



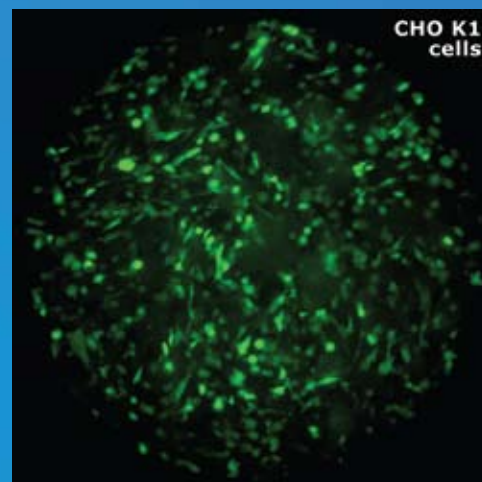
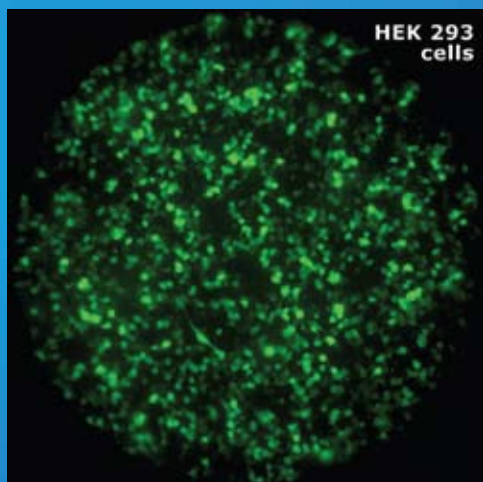
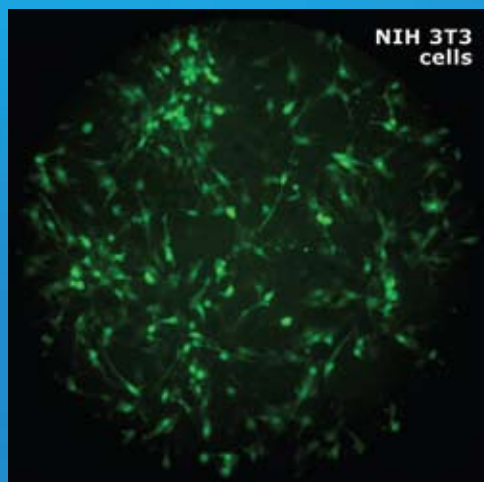
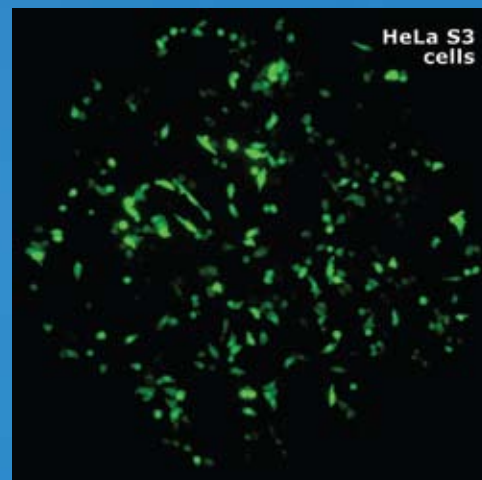
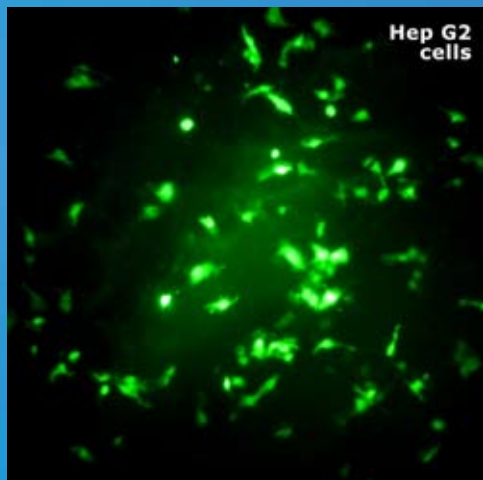
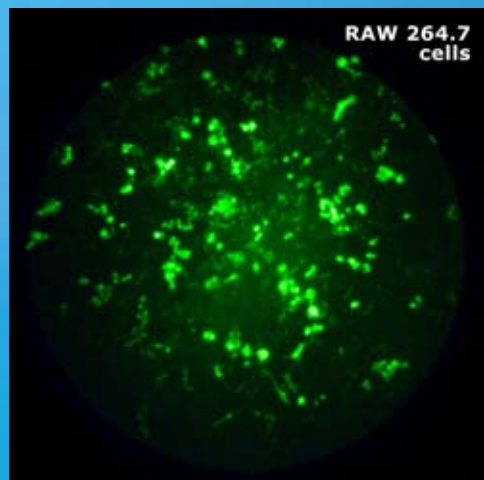
Comparison of Cell Health in RAW 264.7 Cells 48 Hours Post-Transfection



RAW 264.7 cells were plated with 300,000 cells/well in 24-well plates. Wells were transfected with either GenePORTER 3000 (A) or LF2K (B). After 48 hours, cells were visualized by light microscopy.

Consistent Expression Results With GenePORTER 3000 Reagent

Whole field microscope images were taken from a single slide for each of six different cell types. Cells were transfected with GenePORTER 3000 Transfection Reagent and gWiz-GFP Expression Vector DNA 30 minutes after plating. Cells were visualized 48 hours post-transfection.



GenePORTER® 3000 Transfection Reagent Kits		
0.75 ml kit	75 reactions	T203007
1.5 ml kit	150 reactions	T203015
15 ml kit	1,500 reactions	T203115
Bulk applications	Custom	Inquire

*Double Satisfaction Guarantee ensures that you will get better transfection results than any other commercially available transfection reagent (excluding electroporation). For the guarantee to apply, you must use GP3K specified protocol with the cell lines tested by Genlantis in parallel with the competitor reagents following manufacturer's protocol. If you do not get better results, the GP3K kit purchase price will be refunded to you, or double the kit price will be applied to your Genlantis account (upon return of the remaining GP3K reagent to Genlantis).



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