



THE ESSENTIALS OF LIFE SCIENCE RESEARCH
GLOBALLY DELIVERED™



A good cell culture system can simplify the production and purification of viral particles and proteins, and facilitate the rapid development of novel viral vaccines and other therapeutic modalities. However, the reagents that are used to introduce the genetic material, to be expressed, are just as important as the cells; and the quality of the reagent can directly affect success of the experiment.

With this in mind, ATCC has developed the ATCC® Expression Systems Collection. We offer reliable, authenticated cell lines that can be paired with specially selected media and transfection reagents to create cell culture systems for high efficiency protein or viral particle production.

This month, Cell Passages will highlight the new ATCC® [TransfeX™](#) reagent, but make sure to check out all the products in the [ATCC Expression Systems Collection](#). And, since healthy cells are productive cells, be sure to download the ATCC Animal Cell Culture Guide for tips and techniques on getting the best results from your cultures.

ATCC® TransfeX™ Transfection Reagent - Now Available!

The Transfex reagent is a cationic lipid formulation that has been optimized for use on a wide range of cell types including cells that are generally difficult to transfect – like primary and stem cells. In addition, the ATCC Transfex reagent has been thoroughly tested to ensure:

- High efficiency
- Low cytotoxicity
- Universal reliability

[Learn more](#)

ATCC has developed cell line specific transfection [protocols](#) using TransfeX for the following: continuous cell lines, primary cells, and stem cells.

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ATCC Publications

[Breast Cancer Resource book](#)

[Animal Cell Culture guide](#)

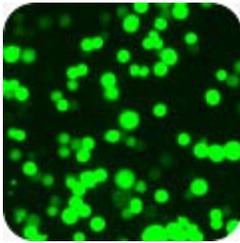
[Primary Cell Culture guide](#)

[Stem Cell Culture guide](#)

FAQ

Q: Should I use serum-free medium during transfection?

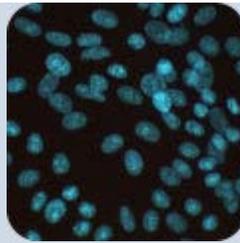
A: TransfeX has been optimized for intracellular delivery of nuclei acids into cultured mammalian cells in the presence of serum. However, culture medium containing polyanions such as heparin, heparin sulfate or dextran sulfate can inhibit transfection. Medium containing these chemicals should not be used for transfection. However, the medium can be replaced with medium containing the polyanions 24 hours post-transfection.



HEK*Plus* Expression system

We united reliable, authenticated HEK 293T/17 SF cells with specially selected media and transfection reagents to create a complete and easy-to-use protein expression system.

- HEK293T/17 SF Suspension Cells ([ATCC® No. ACS-4500](#))
- HEK*Plus* SFM ([ATCC® No. ACS-4002](#))
- L-alanyl glutamine, 200 mM ([ATCC® No. 30-2115](#))
- HEK*Plus* Boost Solution ([ATCC® No. ACS-4003](#))
- GeneX*Plus* Transfection Reagent ([ATCC® No. ACS-4004](#))



Serum-Free VERO Cell system

The Vero-SF-ACF ([ATCC® No. CCL-81.5™](#)) cell line has been adapted to grow in the serum-free, animal component-free media, Vero*Plus* SFM ([ATCC® No. ACS-4001™](#)) to provide the ideal system for the in vitro propagation of viruses.

Looking for something else? ATCC has a large selection of cell lines, from an array of species, all well suited for the propagation of viruses.

[Learn more](#)



Webinar – Transfection Reagents

Transfections got you down? It's true - some cells are harder to transfect than others, but ATCC is here to help. This webinar will describe how transfection reagents and culturing practices can affect the success of your experiments. In addition, we will demonstrate how our new transfection reagent, TransfeX™, can help you transfect even the most notoriously difficult cells (i.e. stem cells, primary cells) and help you get your experiments going.

[Watch now](#)

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