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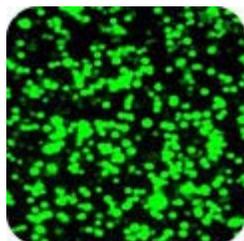
In this issue:

[HEKPlus Protein Expression Systems](#) | [Photo Contest](#) | [Vero-SF-ACF cell line](#) | [Media and Sera](#) | [Webinar](#)

ATCC Expression Systems

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. To support these research efforts, ATCC has developed the ATCC Expression Systems Collection. We have united our reliable, authenticated cell lines with specially selected media and transfection reagents to create cell culture systems to produce protein or viral particles with high efficiency and reproducibility.

This month, Cell Passages will highlight the **HEKPlus Protein Expression System** and the **Vero-SF-ACF medium and Vero SF adapted cell line**, but make sure to check out all of the cell lines available from our [New ATCC Expression System](#) collection. Also, healthy cells are productive cells, so be sure to download the [ATCC Animal Cell Culture Guide](#) for tips and techniques on getting the best results from your cultures.



HEKPlus Protein Expression Systems

The ATCC HEKPlus Expression System ([ATCC® ACS-4800-K](#)) builds on the strength of the HEK 293T cell line, as an easily transfected, protein producing powerhouse, to create a complete, and easy-to-use protein expression system. The kit combines HEK 293T/17 SF cells ([ATCC® ACS-4500™](#)) adapted to grow in suspension, with specialized xeno-free, serum-free culture medium ([ATCC® ACS-4002™](#)), the GeneXPlus transfection reagent ([ATCC® ACS-4004](#)) and the HEKPlus boost reagent ([ATCC® ACS-4003™](#)). Together, these components are an all-in-one system designed to optimize transient transfection efficiency and protein expression.

Other benefits include:

- Reagents offered as a cost-effective complete system or as individual components.
- Rapid, consistent, and scalable protein expression from a wide range of constructs.
- All-in-one system allows for expansion and transfection of cells in the same media.

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ATCC Publications

ATCC® Animal Cell Culture Guide

Tips and techniques for continuous cell lines.

[Download PDF ▶](#)

ATCC® Primary Cell Culture Guide

Tips and techniques for culturing Primary Cells.

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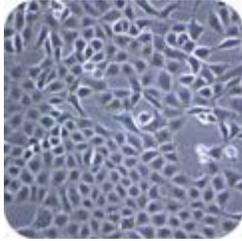
FAQs

Question: At what scale has the ATCC® ACS-4800-K™ HEKPlus Protein Expression System been validated?

Answer: The HEKPlus Protein Expression System has been validated to express human secreted embryonic alkaline phosphatase (SEAP) at a 200 mL level. Larger culture volumes are possible, though one may need to optimize culture conditions.

[Have more questions about the HEKPlus system? Get the Answers on our Tech Services Page](#)

[Learn more ▶](#)



New Vero-SF-ACF cell line for viral propagation

The new [Vero-SF-ACF \(ATCC® CCL-81.5™\)](#) is optimized to grow in the serum-free, animal component-free media [VeroPlus SFM \(ATCC® ACS-4001™\)](#). Together, they provide an ideal host 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 particularly well-suited for the propagation of viruses.

[Learn more ▶](#)



ATCC High Performance Media and Sera

ATCC has the media you need to keep your cells happy, healthy, and behaving as expected. All ATCC media are filtered, ready to use, (with the exception of Hybri-Care, which comes as powder to make 1L). Our collection includes all the “classic” media formulations, and media specially formulated to optimize the growth of hybridoma, primary, or stem cells in culture.

Want to know more? Download the [ATCC High-Performance Media and Sera Brochure](#)

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2012 Excellence in Research Webinar Series

ATCC, your trusted source for cell lines, microbial strains, and other biological reagents, invites you to view one of the exciting webinars in our 2012 Excellence in Research series. Each webinar featured a highly experienced ATCC Scientist who demonstrated how to utilize ATCC products and services to advance your research. The webinars were broadcasted live, ran 30 to 45 minutes, and were followed by a 10 minute question and answer period.

[2013 Webinar Series will be coming soon, check the ATCC website often for more details.](#)

[Learn more ▶](#)

ATCC - 10801 University Boulevard, Manassas, VA 20110

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