ATCC

Product Sheet

HEK*Plus* Boost Solution (ATCC® ACS-4003™)

Please read this FIRST

Storage Temp.
Store at 2°C to 8°C. Do not freeze. Protect from light.

Biosafety Level
1

Description

Product Description:
HEK*Plus* Boost Solution is a 5% solution of enzymatically hydrolyzed peptone in HEK*Plus* SFM serum-free, xeno-free, and defined medium. The addition of peptone following transfection has been shown to increase extracellular protein expression yields in transient transfection protocols.

HEK*Plus* Boost Solution should be added post transfection to a final concentration of 10% in complete HEK*Plus* SFM. The solution contains 0.1% Poloxamer 188, a surfactant shown to enhance cell yield and reduce cell aggregation. HEKPlus Boost Solution also contains human transferrin and recombinant human insulin.

This solution has been optimized for use with ATCC® HEK293T/17 SF suspension cells (ATCC ACS-4500), HEK*Plus* SFM medium (ATCC ACS-4002) and GeneX*Plus* Transfection Reagent (ATCC ACS-4004) to reproducibly express a wide range of proteins at high levels.

Volume: 50 mL

Directions for Use

Preparation of Diluted HEK*Plus* Boost Solution

1. Remove HEK*Plus* Boost Solution from cold storage and gently swirl the bottle to mix.
2. Decontaminate the external surfaces of the bottles by spraying with 70% ethanol. All operations from this point on should be carried out under strict aseptic conditions.
3. Add 20 mL HEK*Plus* Boost Solution to 80 mL HEK*Plus* SFM. Note: The amount of diluted solution prepared can be adjusted based on usage. Diluted HEK*Plus* Boost Solution is stable for up to one week.
4. Tightly cap the bottle and swirl the contents gently to mix thoroughly.
5. Sterile-filter medium and store in the dark at 2°C to 8°C.

Directions for use:

1. One to three hours after transfection, add an equal volume of the Diluted HEK*Plus* Boost Solution to the reaction containing the transfected cells.
2. Collect supernatant from the culture and analyze for protein expression. Protein expression is detectable within one day to seven days. It is not necessary to change the medium during this period.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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