ATCC

Product Sheet

Penicillin-Streptomycin-Amphotericin B Solution (ATCC® PCS-999-002™)

Please read this FIRST

Storage Temp.
Store the Penicillin - Streptomycin - Amphotericin B Solution at -20°C or colder. When stored as directed, the product is stable until the expiration date on the label. It should be thawed only one time.

Biosafety Level
1

Description

Product Description:
Penicillin-Streptomycin-Amphotericin B Solution is used to reduce the chance of microbial contamination while propagating primary cells in culture. In general, we do not recommend the use of antibiotics and antimycotics when culturing cells as these compounds may mask contamination by susceptible bacteria and fungi while permitting mycoplasma to flourish unnoticed. In addition, these drugs may interfere with the metabolism of sensitive cells (i.e., primary cells) in culture, especially when the cells are grown in low serum or serum-free environments. However, one may elect to introduce antibiotics and antimycotics to primary cultures for short periods as a safeguard.

Formulation: Penicillin 10,000 Units/mL, Streptomycin 10 mg/mL, Amphotericin B 25 µg/mL
Volume: 1.0 mL

Directions for Use

General Preparation of Complete Growth Media

1. Take the vial from storage and thaw. Mix well or vortex briefly to make sure the solution is homogenous.
2. Using aseptic technique and working in a laminar flow hood or biosafety cabinet, transfer the appropriate volume of the antibiotic/antimycotic solution to complete media.
3. Dilute 1:1000 when using to supplement complete growth media; i.e., 0.5 mL of Penicillin-Streptomycin-Amphotericin B Solution per 500 mL of complete cell-specific media.
4. Dilute 1:100 when using during cell isolation procedures; i.e., 0.5 mL of Penicillin-Streptomycin-Amphotericin B Solution per 50 mL of complete cell-specific growth media.
5. Tightly cap the bottle (or other flask) of supplemented growth medium and swirl the contents gently to assure a homogeneous solution. Do not shake forcefully to avoid foaming. Label and date the flask.
6. Fully supplemented media should be stored in the dark at 2°C to 8°C (do not freeze). When stored under these conditions, fully supplemented media is stable for 30 days.

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.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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.
© ATCC 2014. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [05/20]

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor