



# Penicillin-Streptomycin Solution

30-2300™

## Description

This solution contains 10,000 I.U./mL Penicillin, 10,000 (µg/mL) Streptomycin. It is used for reducing the chances of microbial contamination in cell culture. Between 0.5 and 1 mL of Penicillin-Streptomycin solution are added to 100 mL of cell culture media for a final concentration of 50 to 100 I.U./mL penicillin and 50 to 100 (µg/mL) streptomycin. This product has applications for cell culture, cell growth, and viability.

**Volume:** 100 mL

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -20°C or colder

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## Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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## BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local

or national agencies.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Handling Procedures

Thaw at 4°C overnight or in a 37°C waterbath. If thawing in a waterbath, remove from waterbath immediately upon thaw.

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## Quality Control Specifications

**Bacterial and fungal testing:** Not detected

**Mycoplasma contamination:** Not detected

**Endotoxin:** ≤ 0.25 EU/mL @ 1:100

**Osmolality:** Report results

**pH:** Report results

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## Notes

Most cell culture technologists avoid using antibiotics and antimycotics for routine culture work. Antibiotics and antimycotics may mask contamination by susceptible bacteria and fungi while permitting mycoplasma to flourish unnoticed. Antibiotics and antimycotics may interfere with the metabolism of sensitive cells in culture. However, one may elect to introduce antibiotics and antimycotics for short periods

to primary cultures or as a safeguard while propagating specific valuable stocks.

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Penicillin-Streptomycin Solution (ATCC 30-2300)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

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## Revision

# Penicillin-Streptomycin Solution

30-2300

Product Sheet

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