

Gibco™

Penicillin-Streptomycin (10,000 U/mL)

Catalog number: 15140148

Related applications: [Mammalian Cell Culture](#)

[Technical Support](#) | [Customer Service](#)



Catalog Number

15140148

also known as 15140-148 

Unit Size

20 mL

Price (EUR)

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Unit Size

100 mL

Price (EUR)

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Product Overview

[Documents](#)

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This solution contains 10,000 units/mL of penicillin and 10,000 µg/mL of streptomycin. The antibiotics penicillin and streptomycin are used to prevent bacterial contamination of cell cultures due to their effective combined action against gram-positive and gram-negative bacteria. Penicillin was originally purified from the fungi *Penicillium* and acts by interfering directly with the turnover of the bacterial cell wall and indirectly by triggering the release of enzymes that further alter the cell wall. Streptomycin was originally purified from *Streptomyces griseus*. It acts by binding to the 30S subunit of the bacterial ribosome, leading to inhibition of protein synthesis and death in susceptible bacteria.

We offer a wide range of antibiotics and antimycotics in both powder and liquid formats. Learn more about the following types of products:

- [Cell Culture Antibiotics](#)
- [Selection Antibiotics \(including recommended working concentrations\)](#)

[Learn more about the use of antibiotics and antimycotics in cell culture and review guidelines for decontaminating cultures.](#)

For Research Use Only. Not for use in diagnostic procedures.

Specifications

Concentration

100 X

Form

Liquid

Other Info

12 MONTHS

Sterility

Sterile-filtered

For Use With (Application)

Prevention of Cell Culture Contamination

Quantity

20 mL

Shipping Condition

Dry Ice

Contents & Storage

Storage conditions: -5 to -20°C

Shipping conditions: Frozen

Shelf life: 12 months from date of manufacture



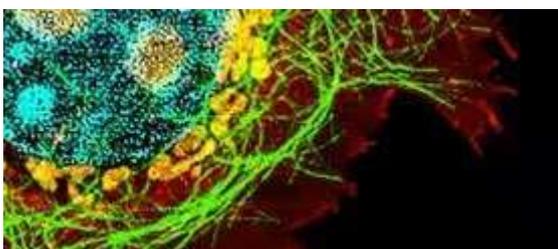
Supply Center

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Cell Culture Support Center

Find technical tips and troubleshooting recommendations from our scientists.
[Visit the cell culture support center.](#)





[Explore all Gibco Cell Culture Antibiotics to protect your cells from contamination >](#)

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 2585625	Certificates of Analysis	May 22, 2023	15140148, 15140122, 151401000, 151400250, 151405000



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Frequently asked questions (FAQs)

How can I decontaminate my cultures?

[Answer](#) +

What antibiotics do you offer to help control or eliminate cell culture contamination?

[Answer](#) +

Citations & References

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Abstract

[Functional interaction of caveolin-1 with Bruton's tyrosine kinase and Bmx.](#) 

Authors: Vargas Leonardo; Nore Beston F; Berglof Anna; Heinonen Juhana E; Mattsson Pekka T; Smith C I Edvard; Mohamed Abdalla J;

Journal: J Biol Chem

PubMed ID: 11751885

[Mechanisms of regulation of phospholipase d1 and d2 by the heterotrimeric g proteins g13 and gq.](#) 

Authors: Xie Zhi; Ho Wan-Ting; Spellman Rachel; Cai Songmin; Exton John H;

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[Influence of second and third cytoplasmic loops on binding, internalization, and coupling of chimeric bombesin/m3 muscarinic receptors.](#) 

Authors: Tseng M J; Coon S; Stuenkel E; Struk V; Longsdon C D;

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Malignant effusions and immunogenic tumour-derived exosomes. [↗](#)

Authors: Andre Fabrice; Scharz Noel E C; Movassagh Mojgan; Flament Caroline; Pautier Patricia; Morice Philippe; Pomel Christophe; Lhomme Catherine; Escudier Bernard; Le Chevalier Thierry; Tursz Thomas; Amigorena Sebastian; Raposo Graca; Angevin Eric; Zitvogel Laurence;

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Repression of activator protein-1-mediated transcriptional activation by the Notch-1 intracellular domain. [↗](#)

Authors: Chu Jianlin; Jeffries Shawn; Norton Jason E; Capobianco Anthony J; Bresnick Emery H;

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42 total citations