Corning® Antibiotic and Antimycotic Products

CORNING

Corning's cell culture portfolio includes antibiotics and antimycotic products that support contamination-free cultures. With applications ranging from bacteriocidal to bacteriostatic, these products fill many needs, including controlling contamination from bacteria, fungi, mycoplasma, or yeast. Some of these antibiotics modify enzyme activity and some work to change cell permeability.

Blasticidin S HCl

Blasticidin, also known as Streptomyces griseochromogenes, is a common selection agent effective against both eukaryotic and prokaryotic cells being used in genetic engineering applications. As an antibiotic, it inhibits cell propagation at the gene translation level. When a gene being studied is linked to a gene coding for resistence to Blasticidin, only cells engineered to carry the gene of interest will survive upon exposure to the selection agent.

Carbenicillin Disodium Salt

Recommended as a substitute for ampicillin at the same concentration in molecular biology applications, carbenicillin demonstrates improved heat stability over ampicillin when used in growth media and reduces the presence of satellite colonies commonly seen with ampicillin.

G418 Sulfate

A selection agent for cells transformed with the aminoglycoside modifying enzyme aminoglycoside phosphotransferase (APH). This enzyme covalently modifies the antibiotic's amino or hydroxyl functions to weaken the drug-ribosome interaction.

Hygromycin B

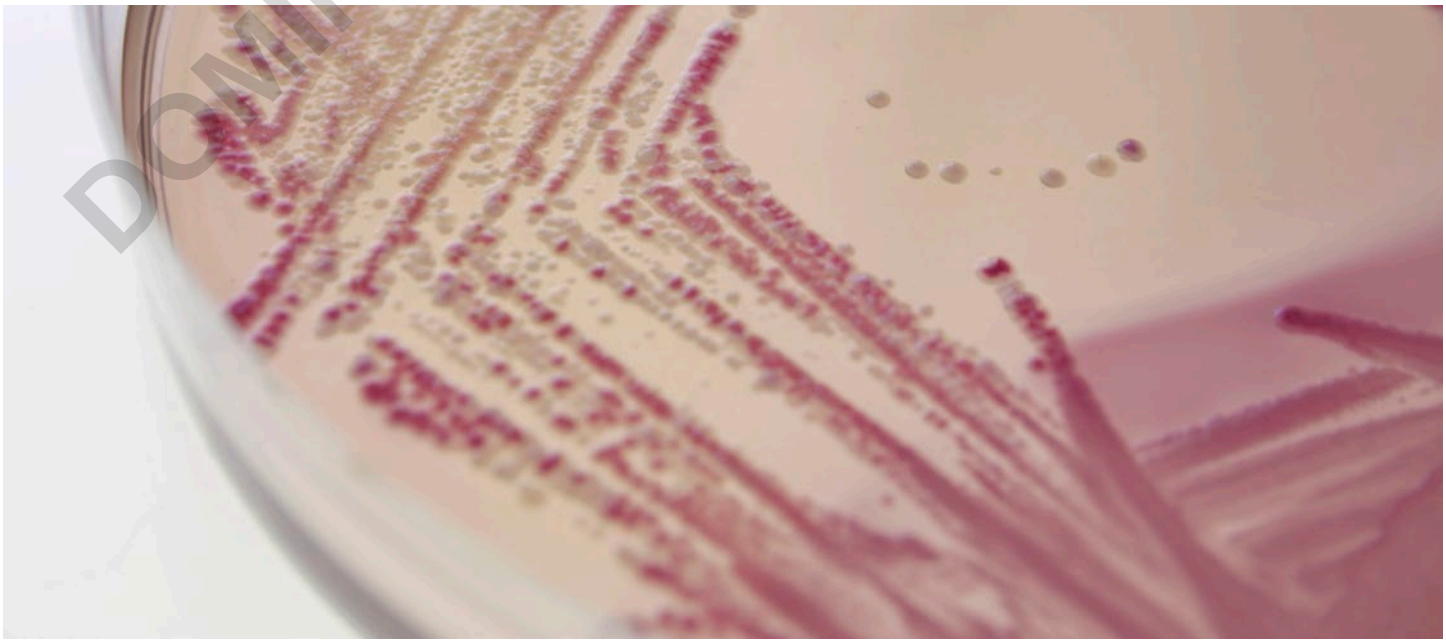
Produced by Streptomyces hygroscopicus, it is used as a selection agent and inhibits protein synthesis in cells not carrying hygromycin phosphotransferase (hph). The gene encoding hph inactivates hygromycin B and restores protein synthesis.

Puromycin dihydrochloride

Produced by Streptomyces alboniger, it is a selection agent for cells transformed with the puromycin N acetyltransferase (PAC) gene encoding resistance.

Tetracycline Hydrochloride

Members of this class inhibit protein synthesis by binding to the 30S ribosomal subunit, thereby blocking the incoming aminoacyl-tRNA from attaching to the acceptor site on the mRNA-ribosome complex. The tetracyclines consist of a polycyclic ring with differing side chains and are a broad-spectrum class of antibiotics against aerobes and anaerobes. The effect of this bacteriostatic compound is reduced by dilution, and it's activity can be reduced by chelation with divalent cations.



DOMINIQUE DUTSCHER SAS

Ordering Information

Cat. No.	Description	Unit Size	Qty/Pk
30-003-CF	Amphotericin B (250 µg/mL solution)	50 mL	6
61-238-RH	Ampicillin Sodium salt	10 g	1
61-238-RM	Ampicillin Sodium salt	100 g	1
30-004-CI	Antibiotic-Antimycotic solution	100 mL	6
30-100-RB	Blasticidin S HCl	50 mg	1
46-100-RG	Carbenicillin Disodium salt	5 g	1
61-239-RI	Chloramphenicol, powder	25 g	1
61-277-RF	Ciprooxacin Hydrochloride, powder	1 g	1
61-277-RG	Ciprooxacin Hydrochloride, powder	5 g	1
30-234-CR	G418 Sulfate, liquid	10 mL	1
30-234-CI	G418 Sulfate, liquid	100 mL	1
61-234-RF	G418 Sulfate, powder	1 g	1
61-234-RG	G418 Sulfate, powder	5 g	1
61-234-RK	G418 Sulfate, powder	50 g	1
30-005-CR	Gentamicin Sulfate, liquid	10 mL	10
61-098-RA	Gentamicin Sulfate, powder	100 mg	1
61-098-RF	Gentamicin Sulfate, powder	1 g	1
30-240-CR	Hygromycin B solution	20 mL	1
30-006-CF	Kanamycin Sulfate, liquid	50 mL	6
61-176-RG	Kanamycin Sulfate, powder	5 g	1
61-241-RG	Neomycin Sulfate, powder	5 g	1
61-241-RM	Neomycin Sulfate, powder	100 g	1
30-001-CI	Penicillin-Streptomycin solution, 50x	100 mL	6
30-002-CI	Penicillin-Streptomycin solution, 100x	100 mL	6
30-009-CI	Penicillin-Streptomycin-L-Glutamine, 100x	100 mg	6
61-385-RA	Puromycin Dihydrochloride	100 g	1
61-088-RM	Streptomycin Sulfate, powder	100 g	1
61-242-RG	Tetracycline Hydrochloride, powder	5 g	1

For more specific information on claims, visit the Certificates page at **www.corning.com/lifesciences**.

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

DOMINIQUE DUTSCHER SAS

Beginning-to-end Solutions for

Cell Culture

www.corning.com/lifesciences/solutions

At Corning, cells are in our culture. In our continuous efforts to improve efficiencies and develop new tools and technologies for life science researchers, we have scientists working in Corning R&D labs across the globe, doing what you do every day. From seeding starter cultures to expanding cells for assays, our technical experts understand your challenges and your increased need for more reliable cells and cellular material.

It is this expertise, plus a 160-year history of Corning innovation and manufacturing excellence, that puts us in a unique position to offer a beginning-to-end portfolio of high-quality, reliable cell culture consumables.

For additional product or technical information, visit **www.corning.com/lifesciences** or call 1.800.492.1110. Outside the United States, call +1.978.442.2200 or contact your local Corning sales office.

Mediatech, Inc.
A Corning Subsidiary
9345 Discovery Boulevard
Manassas, VA 20109
t 800.235.5476
t 703.471.5955
f 703.467.9851
www.corning.com/lifesciences/media

CORNING | FALCON® AXYGEN® GOSSELIN™ PYREX®

For a listing of trademarks, visit www.corning.com/clstrademarks.
All other trademarks are the property of their respective owners.

© 2014, 2015 Corning Incorporated. All Rights Reserved. Printed in USA 11/15 CLS-CG-FY-001 REV3