Winter 2025 Newsletter

Corning Cell Culture Connection

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"At the heart of our operations, our functional teams embody the role of scientific consultants. These trained scientists and engineers stand at the intersection of theory and practice, providing a bridge for our customers between theoretical concepts and real-world execution. Through collaboration, we offer not only our technical expertise and tailored solutions but also a shared wealth of application knowledge. Above all, we are committed to the success of our customers, striving to empower them to reach their goals."

John Shyu
Director, Commercial Technology-Production & Chief Scientific Officer

Looking for Scientific Support? Contact our scientists today.

Contact Us >

Current Promotions >

Lab Essentials
Back to basics

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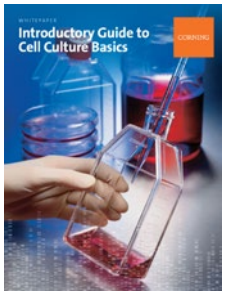
Want to master the basics of the bench? Check out Corning's Lab Essentials resources below.



Introductory Guide to Cell Culture Basics

Researchers utilize cell culture as a powerful tool in cytogenetic, biochemical, and molecular labs in various diagnostic and research studies. These include disease modeling, toxicity testing, cancer research, virology, cell-based manufacturing, genetic engineering, and gene therapy. Cell culture also stands prominently in the pharmaceutical industry for drug discovery, screening, and development. This whitepaper covers cell culture solutions, techniques and steps, as well as addresses the following questions:

- What Is Cell Culture?
- How Do Cells Grow in Culture?
- How Do You Set Up a Cell Culture Lab?
- How Do You Culture Cells?

Whitepaper Download

Guide to Adherent Cell Culture Basics: Seeding, Expanding, and Harvesting

Creating the ideal environment for cell growth starts with the right media, sera, and reagents.

Learn More

Infographic Download

Ready to Move Beyond the Monolayer? Bring Experiments to Life with 3D Cell Culture.

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EBook Download

Automating Your 3D Cell Cultures

The use of 3D cell cultures has become more common due to their ability to better recapitulate diseases. Increasing the pace of that work, however, requires the use of high throughput methods to help make workflows more efficient and more widely accessible.

The articles in this ebook provide the guidance you need to move your 3D cell cultures into a high throughput environment. 3D cell culture experts share their experiences and insights, as well as their wish lists for the future.

Topics covered include:

- Challenges, solutions, and advances in using 3D cultures in an HT environment
- Use of Corning® Matrigel® matrix-3D plates to screen pancreatic cancer organoids
- Tips on automating the handling of organoids.
- Benefits of using PHH liver spheroids to study liver diseases and also assess drug safety
- How to produce homogenous embryoid bodies with uniform shape and size at high throughput

EBook Download >

Whitepaper Download

Precision Medicine Trends in Cancer Research

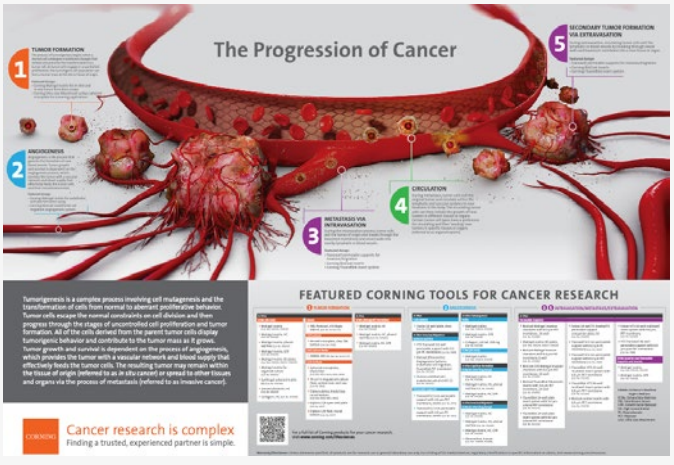
This is an extraordinarily exciting time to be involved in precision medicine for cancer. This new whitepaper reviews some of the topics and trends in this emerging research area including:

- 3D cultures: Spheroids and organoids
- Organoids in cancer research
- Tumor microenvironments
- Organ-on-a-chip and body-on-a-chip
- 3D bioprinting

Whitepaper Download >

Watch the Video Series Now >

Hear from industry thought leaders on how 3D cell culture models are gaining traction due to their ability to better mimic *in vivo* conditions and learn about key trends and challenges for future growth.



Check out our updated "Progression of Cancer" poster, a great educational and reference tool for your lab.

Request Yours Today >

Connect with Corning

Upcoming virtual and in-person events.

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Register Now

Cell Culture Media Quality Control Strategies

Join the live webinar on April 17, 2025, at 11:00 a.m. EST with Robert Padilla, Field Application Scientist Corning Life Sciences. This talk will highlight the importance of vendor selection, media storage, media usage, and contamination control strategies in efforts to guide scientists to find the right media formulations for their processes. With so many media vendors and options for media out there, how do you choose what is right for your current process and for your long-term process goals? Learn about key factors that can impact your decision when choosing a media vendor.

Register Now

10 Ways to Boost Sustainability in the Lab

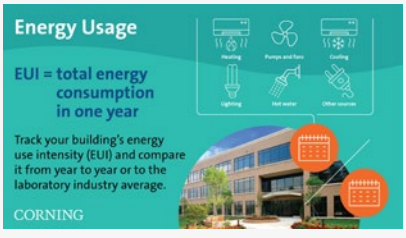
Join us on April 29, 2025, at 11:00 a.m. EST to learn the 10 ways to boost lab sustainability, covering information on creating a smarter lab, and how Corning can help you go green. Moving toward a greener lab involves thinking about 3 main categories for action: reducing energy use, choosing consumables that minimize waste, and optimizing lab processes to support sustainability.

Headed to the American Association for Cancer Research (AACR) annual meeting this April? We'll see you there!

Stop by Booth 2463 to meet local Corning representatives and learn why scientists like you around the world count on Corning to help them generate consistent, reliable and reproducible results.

Measuring Sustainability in the Lab: A Lab Manager's Guide

As many of us are focusing more on sustainability, it is hard to know where to start, and how to become "greener". The first step is knowing the current state of your lab. Metrics can help us evaluate a lab's sustainability and the impact of purchasing practices. This is a powerful tool for lab managers to identify impactful changes. After implementing sustainability strategies, metrics help us tweak for better results. Let's explore 5 ways to assess your lab's greenness. Remember, every step towards sustainability counts!



Learn More

Learn From Our Experts

Check out these webinars available on demand.

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Cell Culture Fundamentals: Cryopreservation, Pipetting, and More

9:30 a.m. EST | June 20, 2024

Presented by
Raquel Matos, Ph.D.
Scientific Support Manager
Corning Life Sciences

Cell Culture Fundamentals: Identify and Correct Common Cell Growth Problems

11:00 a.m. EST | February 20, 2025

Presented by
Sherwin Xiaoyu Zhu
Technical Support Specialist
Corning Life Sciences

Understanding and Managing Cell Culture Contamination

11:00 a.m. ET | April 25, 2024

Presented by
Connie MacDonald
Senior Scientific Support Specialist
Corning Life Sciences

2D versus 3D: Benefits of Moving to 3D Cell Culture

11:00 a.m. ET | April 11, 2024

Presented by
Hilary Sherman
Senior Scientist
Corning Life Sciences

PYREX® Glassware Education and Safety

11:00 a.m. ET | October 22, 2024

Presented by
Jesus Martinez
Laboratory Glass Product Line Manager
Corning Life Sciences

Interferometric Light Microscopy for Rapid Virus Titering and Characterization of Lipid Nanoparticle Preparations

11:00 a.m. ET | September 26, 2024

Presented by
Ben Josey, Ph.D.
Field Application Scientist
Corning Life Sciences

Want to stay up-to-date on the latest life sciences technology trends, research breakthroughs, tips and techniques?

Check out Nucleus, your online hub for all things life sciences from Corning Life Sciences.

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Outside the United States, call +1.978.442.2200.