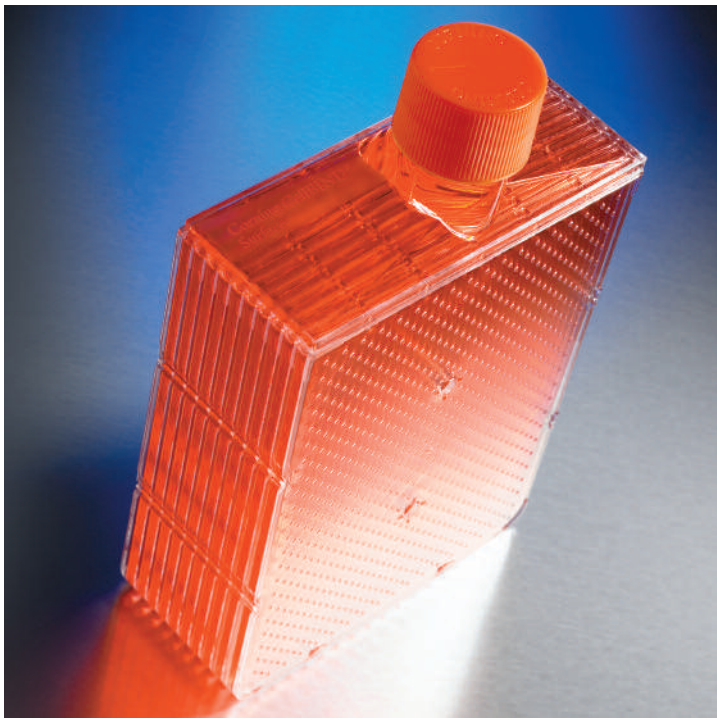
Corning Bioprocess Products

Featuring Corning® cellgro® and Specialized Surfaces

CORNING



Contents

BEGINNING-TO-END CELL CULTURE SOLUTIONS FROM CORNING

Corning is proud to offer cell culture and bioprocess solutions to our customers. Our comprehensive line of high-quality bioprocess and laboratory research tools includes the Corning® cellgro® brand for both standard and custom cell culture media, basal salt solutions, antibiotics, sera, specialty media, and flexible packaging systems. Corning cellgro products are manufactured by Mediatech, Inc., Manassas, VA.

All Corning brands offer consistent, reliable and repeatable results giving you the confidence that you can only get with over 95 years of quality and expertise in the areas of research, product development and manufacturing. Additionally, you'll receive unparalleled sales support from our team of experts who are dedicated to developing custom solutions for your specific bioprocessing needs.

Researchers, development scientists and manufacturers choose Corning because we're more than a products company — we're a solutions company.

Our Bioprocess Products brochure contains information on a selection of key products and customizable solutions for your scale-up and bioproduction needs. For full details of our offering, please visit **www.corning.com/lifesciences** or **www.cellgro.com**, or contact your authorized Corning or Corning cellgro dealer.

CORNING
cellgro®

Ordering Products Direct from Corning

For our U.S. customers who currently have existing accounts, you can order direct through our Customer Service group or online:

For Corning® Plasticware Products ONLY:
t: 800.492.1110
t: 978.442.2200
f: 978.442.2476
e: CLSCustServ@corning.com
w: www.corning.com/lifesciences

For Corning cellgro® Products ONLY:
t: 800.CELLGRO (800.235.5476)
t: 703.471.5955
f: 703.471.0363
e: custserv@cellgro.com
w: www.cellgro.com/customer-support

Hours of Operation: Monday to Friday, 8 a.m. to 6 p.m. (Eastern Standard Time)

Phone/Fax Orders

For each order, customers should provide the product number, product description, and desired quantity. You should also include your billing and shipping address and your account number.

Online Orders

In order to purchase Corning products online, please visit the Corning Life Sciences website at **www.corning.com/lifesciences**. Click on register/login and complete the online registration form. Customers using credit cards may immediately place orders. Full Service Direct accounts with account specific contract pricing will need to establish a direct account with Corning Customer Service before online transactions can be made. You can complete the online registration form or contact Corning Customer Service directly at 1.800.492.1110 in order to establish a direct account with Corning. For Corning cellgro products, please go to **www.cellgro.com/customerservice.**

Ordering Products Through Our Distribution Partners

Customers can purchase Corning products from any one of our more than 50 authorized distributors. See our complete listing of Corning distributors online at **www.corning.com/lifesciences**. For a list of Corning cellgro product associates, go to **www.cellgro.com/support/distributor-information.** Our distribution associates can offer our customers a variety of value added services from local inventory and service, to managed services, and preferred programs. Please contact your distributor of choice for more details.

Pricing

Prices shown on the Corning Life Sciences websites (in our online catalogs **www.corning.com/lifesciences** and **www.cellgro.com**) reflect our current suggested U.S. list price. For customer specific pricing information, please contact either Corning Customer Service, Corning cellgro Customer Service or your authorized Corning Distributor.

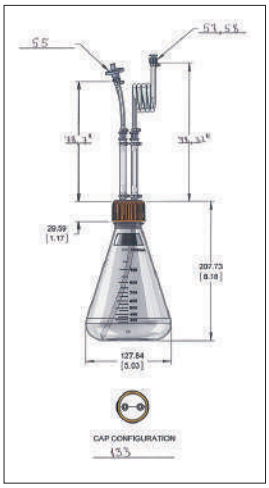
Product Return Policy

To return product, contact your local Customer Service Representative. In some countries, the order and lot number details are required. Please have this information available to obtain a Return Authorization Number. This Return Authorization Number must be referenced on the outside of the shipping carton. Returns without an appropriate Return Authorization Number will be refused and returned at the customer's expense. Corning cellgro products are not able to

Closed System Solutions Products

1L and 3L Disposable Spinner Flasks with Accessories

431512 and 431514
Erlenmeyer Flasks for Closed System Solution, MLL



Example of a pre-drawn closed system available for modification.

Description

In an effort to achieve regulatory compliance and reduce contamination risks many production groups explore possibilities of utilizing closed systems. A closed system is an assembly of vessels and accessories for cell growth or liquid handling that are connected aseptically in such a manner that cells are isolated from the environment during its use. There is currently a lack of pre-assembled sterile products on the market. The Corning Closed System Solutions line of products is designed to meet this need. It features:

- No assembly required, sterile product offerings
- Class VI material
- SAL 10^{-6} sterilization level
- Multiple product offerings for up and downstream processing
- Customizable solutions for your production needs
- For a customizable approach, please contact the Configurator Specialist at **CLSConfSpe@corning.com**

Benefits

- No cleaning
- No sterilization (reduced autoclave burden)
- No validation (once initially validated)
- No preparation of tubing or components
- Reduced labor expense
- Reduced changeover time
- Ease of purchase (filling components are preconfigured and ready to use)
- Ease of scalability (fluid path validated from R&D through clinical)
- Scheduling flexibility (consistent availability of filling components to better cope with shifting schedules and demands)

Cat. No.	Description	Sterile	Qty/Cs
431510	1L Erlenmeyer, sterile, flat bottom, 0.2 µm vent with dip tube, 1/8" ID tubing, MLL	Yes	4
431516	1L Erlenmeyer flask, sterile, flat bottom, 0.2 µm vent with dip tube, 1/4" ID tubing, MPC	Yes	4
431512	2L Erlenmeyer flask, sterile, flat bottom, 0.2 µm vent with dip tube, 1/8" ID tubing, MLL	Yes	3
431518	2L Erlenmeyer flask, sterile, flat bottom, 0.2 µm vent with dip tube, 1/4" ID tubing, MPC	Yes	3
431514	3L Erlenmeyer flask, sterile, flat bottom, 0.2 µm vent with dip tube, 1/8" ID tubing, MLL	Yes	2
431520	3L Erlenmeyer flask, sterile, flat bottom, 0.2 µm vent with dip tube, 1/4" ID tubing, MPC	Yes	2
11440	1L Erlenmeyer Flask, sterile, flat bottom, 0.2 µm filter MLL/FLL, with dip tube, MLL	Yes	4
3569	1L Disposable Spinner Flask, sterile, with accessories, MLL	Yes	6
3546	1L Disposable Spinner Flask, sterile, with accessories, MPC	Yes	6
3579	3L Disposable Spinner Flask, sterile, with accessories, MLL	Yes	4
3559	3L Disposable Spinner Flask, sterile, with accessories, MPC	Yes	4
11705	50 mL Centrifuge Tube, sterile, self-standing, 0.2 mm filter MLL/FLL, with dip tube, MLL	Yes	2
11706	50 mL Centrifuge Tube, sterile, self-standing, 0.2 mm filter MLL/FLL, without dip tube, MLL	Yes	2
11750	500 mL Centrifuge Tube, sterile, 0.2 mm filter MLL/FLL, with dip tube, MLL	Yes	2

MLL, male Luer lock; MPC, medical plastic coupler; FLL, female Luer lock

CORNING® CELLGRO® SINGLE-USE BAGS

Single-Use Bag Capability

Corning cellgro flexible packaging systems offer convenient, high-quality solutions to meet a variety of research and biopharmaceutical production needs:

- Media storage and delivery
- Product harvest and recovery
- Downstream processing
- Storage and transportation of WFI quality water
- Waste containment
- Fermentation

These products present unmatched quality in the biopharmaceutical industry. The full line of single-use bags are engineered as expedient, practical, and cost-effective alternatives to rigid-walled containers.

- Corning cellgro flexible packaging products:
  - Available in standard sizes ranging from 1L to 100L
  - Irradiated to ensure sterility and are gamma irradiation stable at 25-45 kGy
  - Available in individual units and in multipacks
  - Eliminate costs associated with washing, sterilization, and SIP/CIP validations
  - Eliminate the risks associated with cross contamination
  - Require minimal set-up time
  - Have a biocompatible product surface to ensure maintenance of content quality

Features and Benefits

- Bag construction assures stability of contents by providing a superior effective gas and moisture barrier equivalent to Type I glass used for long term storage of sterile media.
- Flexible packaging exhibits remarkable strength
- Animal-free – no animal by-products are used in the finished container or during the film production process.

Customization

Single-use bags and collection containers can be custom fabricated to meet your unique application requirements with a wide variety of bag sizes and tubing/connector configurations available. Custom sizes range from 50 mL to 2000 L, in 2D and 3D configurations.

Trust Corning cellgro flexible packaging systems for storage and delivery of your important products: versatile solutions with industry-leading quality.

We offer a wide array of custom media and sterile solutions to meet the bulk medium and serum needs of researchers through to manufacturers.

Custom Bulk Media Services

We are proficient in customizing and producing tailored media and reagents for research and biopharmaceutical professionals. We offer solutions for the ever expanding need for customer specific cGMP solutions with a full range of capabilities to meet custom formulation, packaging and regulatory requirements.

- Liquid or powder manufacturing
- Animal or animal-free selections
- Custom packaging sizes ranging from 10L to 500L units
- Powder lots up to 2,000 kgs
- Liquid lots up to 8000L
  - Classical media or serum free formulations offered as standard products
  - Custom formulations
  - Sterility challenge media (tryptic soy broth) for use in biopharmaceutical production validation
  - Supplements
  - Microbiology reagents

Custom Sizes of Water for Injection (WFI) Products

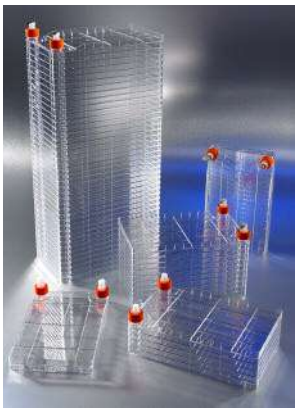
- Custom sizes of Corning cellgro WFI products can be provided on demand
  - Meets United States Pharmacopeia (USP) and/or European Pharmacopeia (EP) specifications
  - A wide array of sizes available based on individual request
  - Applications range from high throughput analysis to large scale biopharmaceutical production.
- Sterile solutions
  - Tissue reservation and transport solutions
  - Purification buffers
  - Buffers and salt solutions
  - Wash solutions
  - Controls
  - Diluents
- Testing of custom media and sterile solutions can be customer defined to include any or all of the following and more:
  - Sterility
  - Mycoplasma
  - Osmolality
  - pH
  - Endotoxin

Serum

We offer standard or custom-sourced sera products in custom sizes:

- Animal sera
  - USDA approved source (regular and heat-inactivated)
  - U.S. source (regular and heat-inactivated)
- Human sera

Corning is uniquely positioned in the industry to offer a variety of custom products. Contact Custom Media and Solutions for more information, or visit **www.cellgro.com/products/custom-production.html**.



CellSTACK Chambers, 1-Stack, 2-Stack, 5-Stack and 40-Stack

3268 CellSTACK Chamber, 1-Stack

3270 CellSTACK Chamber, 10-Stack

Corning® CellSTACK® Culture Chambers

The Corning CellSTACK Culture Chambers are one of Corning Life Sciences' most reliable and fully tested cell culture products. Whether your cells grow attached or in suspension, Corning has cell culture scale-up products that will meet your requirements. The innovative design of Corning CellSTACK Culture Chambers is functionally superior to any similar working product.

- Polystyrene construction – USP Class VI material provides excellent optical clarity and mechanical strength.
- Two 26 mm diameter filling ports (openings are more than five times larger than competitor's products) allow direct access to chamber bottom providing greater flexibility for sterile filling and emptying by pouring, pipetting or via tubing in a fully closed system.
- Standard 33 mm threaded caps have 0.2 µm pore non-wettable membranes sealed directly to the caps to allow gas exchange while minimizing the risk of contamination.
- Optional 33 mm threaded caps are available with integrally sealed chemically resistant, heat sealable flexible tubing to allow direct sterile transfer of media and cells via pumping or gravity feed.
- CellSTACK chambers are now offered as part of the Corning Closed System Solutions program with non-removable caps for a true closed system approach. For customizable solutions, please contact the Configurator specialist at **CLSConfSpe@corning.com**.

CellSTACK Culture Chambers are now available with three different surfaces:

- Corning CellBIND® Surface
- Ultra-Low Attachment Surface
- Tissue Culture Treated Surface

CellSTACK Culture Chambers with Tissue Culture Treated Surface Ordering Information

Cat. No.	Growth Area (cm^2)	Description	Qty/Pk	Pk/Cs
3268	636	CellSTACK Chamber, 1-Stack	1	8
3269	1,272	CellSTACK Chamber, 2-Stack	1	5
3319	3,180	CellSTACK Chamber, 5-Stack	1	2
3313	3,180	CellSTACK Chamber, 5-Stack	1	8
3270	6,360	CellSTACK Chamber, 10-Stack	1	2
3271	6,360	CellSTACK Chamber, 10-Stack	1	6
3272	25,440	CellSTACK Chamber, 40-Stack	1	2
CellSTACK Culture Chambers with Corning CellBIND Surface				
3330	636	CellSTACK Chamber, 1-Stack, sterile	1	8
3310	1,272	CellSTACK Chamber, 2 -Stack, sterile	1	5
3311	3,180	CellSTACK Chamber, 5-Stack, sterile	1	2
3312	6,360	CellSTACK Chamber, 10-Stack, sterile	1	2
3320	6,360	CellSTACK Chamber, 10-Stack, sterile	1	6
3321	25,440	CellSTACK Chamber, 40-Stack, sterile	1	2
CellSTACK Culture Chambers with Corning Ultra-Low Attachment Surface				
3303	636	CellSTACK Chamber, 1-Stack, sterile	1	8

10036 and 10012 HYPER*Stack* 36-layer and 12-layer Vessels

11000 HYPER*Stack* Manipulator

10041 Bottle Stand

10043 Disposable Tubing Set for Roller Bottle

Corning® HYPER*Stack*® Cell Culture Vessel

Introducing the next generation in Corning's **H**igh **Y**ield **PER**formance (HYPER) Platform – the HYPER*Stack* Cell Culture Vessel. This new product line combines the best of two Corning products: the CellSTACK® Culture Chamber and the HYPER*Flask*® vessel (see page 9 for details). The utilization of the proprietary gas-permeable film technology provided in the format of the CellSTACK Culture Chamber allows the HYPER*Stack* vessel to be the most efficient, scalable cell culture vessel for adherent cell culture available today.

Features and Benefits

More cells – 2.5x more cells per volumetric footprint

Closed system – no open fluid manipulations

Scalable product – multiple size offerings

Ergonomic design – easier manipulation

Fixed media volume – 0.2 mL/cm² fills vessel for optimal handling

Innovative assembly – no adhesives, low particulate

Lower disposal cost – less volumetric waste per growth area

Protocol Guides

Written and Video Protocols – Access online at **www.corning.com/lifesciences**, and enter "HYPERStack" in the product catalog search tool.

iPhone App – Search for "HYPERStack" in the App Store for your free download.

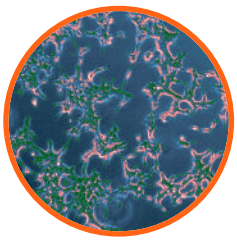
Corning HYPER*Stack* Cell Culture Vessel Ordering Information

Cat. No.	Growth Area (cm²)	Description	Qty/Pk	Qty/Cs
10012	6,000	HYPER*Stack*-12 layer cell culture vessel, Corning CellBIND® Surface	1	4
10036	18,000	HYPER*Stack*-36 layer cell culture vessel, Corning CellBIND Surface	1	2
Coming Soon! 10120	60,000	HYPER*Stack*-120 layer cell culture vessel, Corning CellBIND Surface	1	1

Accessories

Cat. No.	Description	Qty/Pk	Qty/Cs
10040	Stainless steel filling wedge	1	1
10041	Stainless steel bottle stand	1	1
10042	Disposable tubing set for use with glass bottle, 3/8" ID x 1/2" OD, ADFC chemically resistant, heat sealable flexible tubing, 18" in length, sterile	1	2
10043	Disposable tubing set for use with 850 cm² polystyrene roller bottle, 3/8" ID x 1/2" OD, ADFC chemically resistant, heat sealable flexible tubing, 0.2 µm filter, MPC quick connect	1	2
10044	Stacking tray, orange ABS material	1	5
10045	HYPER*Viewer*™ device	1	1
11000	HYPER*Stack* stainless steel manipulator	1	1
1220-2L	2L PYREX® glass bottle with tubular sidearm outlet	1	6
1220-4L	4L PYREX glass bottle with tubular sidearm outlet	1	4
431644	Corning 850 cm² polystyrene bottle, Easy Grip cap, not treated, sterile	1	40

ADCF, animal derived component free; MPC, medical plastic coupler.

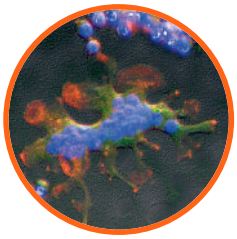


Increase Cell Growth and Yields with Corning® CellBIND® Surface

The Corning CellBIND Surface enhances cell attachment under difficult conditions, such as reduced-serum or serum-free medium, resulting in higher cell yields. Developed by Corning scientists, this technology uses a microwave plasma process for treating the culture surface. This process improves cell attachment by incorporating significantly more oxygen into the cell culture surface, rendering it more hydrophilic (wettable) and increasing surface stability.

Benefits of Corning CellBIND Surface:

- May eliminate the need for tedious, time-consuming, expensive and low stability biological coatings
- More quickly adapts cells to reduced-serum or serum-free conditions
- Increases cell survival following cryopreservation
- Reduces premature cell detachment from confluent cultures, especially in roller bottles
- More consistent and even cell attachment
- Better cell attachment leads to increased cell growth and yields
- Requires no refrigeration or special handling and is stable at room temperature
- Available in the following formats: roller bottles, cell culture flasks, dishes, multiple well plates, HYPER*Flask*® Cell Culture Vessels and CellSTACK® Culture Chambers

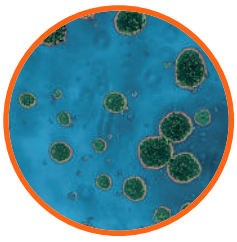


Corning Osteo Assay Surface for Osteogenesis Research

Corning Osteo Assay Surface is a unique 3-dimensional structure that mimics *in vivo* bone for *in vitro* bone cell assays. This inorganic bone biomaterial surface in a multiple well plate is capable of supporting the functional properties of osteogenic cells. The assay surface is manufactured using a proprietary surface coating technology, which delivers lot-to-lot consistency, translating to consistent and reproducible results in bone cell assays. This surface also offers a consistent and defined alternative to preparing dentine or bone slices, reducing the variability in your assay system and resulting in more predictable assay readouts.

Benefits of Corning Osteo Assay Surface:

- Direct assessment of osteoclast and osteoblast functional *in vitro* activity
- Osteoclast and osteoblast precursor differentiation
- Co-culture of osteoclast and/or osteoblasts with other cell lines
- Solution-based quantitative assays
- Studies related to bone remodeling and pit formation
- Available in the following formats: 24 and 96 well multiple well plates and 96 well Stripwell™ microplates

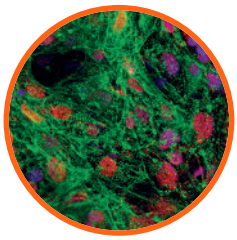


Corning Ultra-Low Attachment Surface to Minimize Cell Adhesion

The Ultra-Low Attachment Surface is a unique, covalently bonded hydrogel surface that is hydrophilic and neutrally charged. It minimizes cell attachment, protein absorption and enzyme activation. The surface is noncytotoxic, biologically inert and nondegradable.

Benefits of Ultra-Low Attachment Surface:

- Maintains cells in a suspended, unattached state
- Prevents stem cells from attachment-mediated differentiation
- Assists in the formation of stem cell embroid bodies
- Prevents anchorage-dependent cells from dividing
- Reduces binding of attachment and serum proteins to the substrate
- Available in the following formats: dishes, multiple well plates, flasks and CellSTACK Culture Chambers

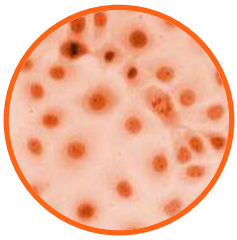


Corning® Synthemax™ Surface for Stem Cell Culture

The Corning Synthemax Surface is a unique synthetic surface coated onto tissue culture treated cell cultureware. The surface chemistry is designed to mimic a cell's natural environment with an extracellular matrix derived cell adhesion promoting peptide. The peptide acrylate coating creates a uniform active surface for stem cell attachment, growth and differentiation, especially in chemically defined media. Synthemax Surface multiple well plates and flasks offer a synthetic alternative to biological coatings and/or feeder cell layers used in traditional stem cell culture. The proprietary surface coating technology ensures lot-to-lot consistency, facilitating reproducible results in laboratories.

Developed by Corning scientists, these new biomimetic surface benefits are:

- Gamma sterilized (SAL 10^{-3})
- Stored at room temperature
- Ready-to-use surface with no preparation required
- 2-year shelf life
- Eliminates the need and time for expensive coatings
- Amenable to automation
- Available in the following formats: 6 well multiple well plates and 75 cm^2 flasks. More formats may be available upon request.



Corning Tissue Culture Treated Products for Everyday Attachment Cell Culture Needs

Corning Tissue Culture Treated products are surface modified by corona discharge or gas plasma treatment which leaves the surface hydrophilic and negatively charged with the addition of media.

Tissue Culture Treated product benefits:

- High quality and optically clear polystyrene
- Sterilized by gamma irradiation
- Certified nonpyrogenic
- Printed with lot numbers for ease in traceability
- Available in the following formats: flasks, dishes, plates, roller bottles and scale-up vessels

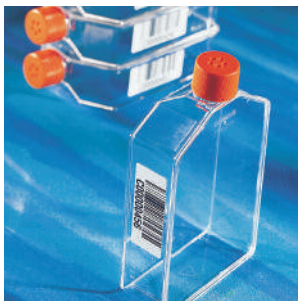
Corning Not Treated Cell Culture Products for Reduced Attachment Needs

Corning not treated products have a hydrophobic surface and are available in different formats. This surface is ideal for non-adherent cell culture or for the easier removal of strongly adherent cells.

Corning not treated vessels benefits:

- High quality and optically clear polystyrene like our current tissue culture treated products
- Sterilized by gamma irradiation
- Certified nonpyrogenic
- Printed with lot numbers for ease in traceability
- Available in the following formats: flasks, dishes and multiple well plates

3815 25 cm² Canted Neck Flask with Vent Cap



431306 175 cm² Flask with Vent Cap and Bar Code

431082 225 cm² Angled Neck Flask with Vent Cap

10024 HYPER*Flask* Vessel

Corning® Cell Culture Flasks

Corning Cell Culture Flask Ordering Information

Cat. No.	Surface Treatment	Flask Style	Neck Style	Cap Style	Qty/Pk	Qty/Cs
25 cm² Growth Area Flasks						
3815	Ultra-Low Attachment Surface	Rectangular	Canted	Vent	6	24
3289	Corning CellBIND® Surface	Rectangular	Canted	Vent	20	200
431463	Not treated	Rectangular	Canted	Vent	20	200
75 cm² Growth Area Flasks						
3983	Corning Synthemax™ Surface	Rectangular	Canted	Vent	1	2
3984	Corning Synthemax Surface	Rectangular	Canted	Vent	1	12
3814	Ultra-Low Attachment Surface	Rectangular	Canted	Vent	4	24
3290	Corning CellBIND Surface	Rectangular	Canted	Vent	5	100
175 cm² Growth Area Flasks						
431079	Tissue Culture Treated	Rectangular	Angled	Plug seal	5	50
431080	Tissue Culture Treated	Rectangular	Angled	Vent cap	5	50
431085	Tissue Culture Treated	Rectangular	Angled	Phenolic style	5	50
431306*	Tissue Culture Treated	Rectangular	Angled	Vent cap	7	84
431328*	Corning CellBIND Surface	Rectangular	Angled	Vent cap	7	84
3292	Corning CellBIND Surface	Rectangular	Angled	Vent cap	5	50
3298	Corning CellBIND Surface	Rectangular	Angled	Phenolic style	5	50
431464	Not treated	Rectangular	Angled	Vent cap	5	100
431466	Not treated	Rectangular	Angled	Vent cap	5	50
225 cm² Growth Area Flasks						
431081	Tissue Culture Treated	Traditional	Angled	Plug seal	5	25
431082	Tissue Culture Treated	Traditional	Angled	Vent cap	5	25
3000	Tissue Culture Treated	Rectangular	Canted	Phenolic style	4	24
3001	Tissue Culture Treated	Rectangular	Canted	Vent cap	4	24
3293	Corning CellBIND Surface	Traditional	Angled	Vent cap	5	25

*Flask prelabeled with bar code, validated for use with SelecT™ Robotic System.

1720 cm² Growth Area HYPER*Flask*® Vessel

1720 cm² Growth Area HYPER*Flask* Vessel Ordering Information

Cat. No.	Description	Qty/Pk	Qty/Cs
10024*	HYPER*Flask* vessel, Corning CellBIND Surface, bar code, sterile	4	24
10020	HYPER*Flask* M vessel, Corning CellBIND Surface, bar code, sterile	4	4
10030	HYPER*Flask* M vessel, Corning CellBIND Surface, bar code, sterile	1	4
10034	HYPER*Flask* M vessel, Corning CellBIND Surface, bar code, sterile	4	24

*Flask prelabeled with bar code for use with Select™ Robotic System.

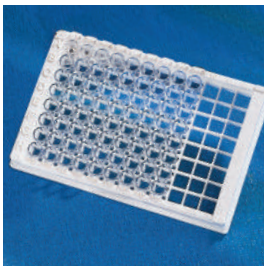
Cell Yields and Recommended Medium Volume

Corning and Costar® Flasks	Approximate Growth Area (cm²)	Average Cell Yield*	Recommended Medium Volume (mL)	Maximum Working Volume (mL)†
25 cm²	25	2.5×10^6	5 - 7.5	10
75 cm²	75	7.5×10^6	15 - 22.5	60
175 cm²	175	1.75×10^7	35 - 52.5	250
225 cm²	225	2.25×10^7	45 - 67.5	370
1720 cm²	1720	2.5×10^8	565	565

*Assumes an average yield of 1×10^5 cells/cm² from a 100% confluent culture. Yields from many cell types can be lower than this.
†Maximum working volume is the amount a flask can hold in the horizontal position when filled to the neck.

Ultra-Low Attachment Surface Dish with Lid

6 and 96 Well Cell Culture Plates



Corning 1 x 8 Stripwell Osteo Assay Surface Polystyrene Microplate

Corning® Cell Culture Dishes

Corning Cell Culture Dish Ordering Information

Cat. No.	Surface Treatment	Dish Style* (mm)	Approx. Height (mm)	Growth Area (cm^2)	Qty/Pk	Qty/Cs
3261	Ultra-Low Attachment Surface	60	15	21	5	20
3262	Ultra-Low Attachment Surface	100	20	55	5	20

*Actual growth surface diameters: 60 mm dish = 52.1 mm; 100 mm dish = 83.8 mm.

Costar® Cell Culture Multiple Well Plates

Costar 6 and 24 Well Cell Culture Plates Ordering Information

Cat. No.	No. of Wells	Surface Treatment	Plate Type	Qty/Pk	Qty/Cs
3978	6	Corning Synthemax™ Surface	Standard clear	1	2
3979	6	Corning Synthemax Surface	Standard clear	1	12
3471	6	Ultra-Low Attachment Surface	Standard with hydrogel*	1	24
3473	24	Ultra-Low Attachment Surface	Standard with hydrogel*	1	24
3987	24	Corning Osteo Assay Surface	Standard clear	1	4

96 Well Cell Culture Microplates

96 Well Cell Culture Microplate Ordering Information

Cat. No.	Surface Treatment	Microplate Type	Qty/Pk	Qty/Cs
3474	Ultra-Low Attachment Surface	Standard clear with hydrogel*	1	24
7007	Ultra-Low Attachment Surface	96 well round bottom with hydrogel*	1	24
3988	Corning Osteo Assay Surface	Standard clear	1	4

96 Well Polystyrene Stripwell™ Microplates Ordering Information

Cat. No.	Description	Qty/Pk	Qty/Cs
3989	1 x 8 Stripwell microplate, Osteo Assay Surface, polystyrene, 12 strips per holder with lid, sterile, with proprietary coating	1	2

*This covalently bonded hydrogel surface minimizes cell attachment, protein absorption, enzyme activation and cellular activation. The surface is noncytotoxic, biologically inert and nondegradable.

430849 850 cm² Roller Bottle

430852 1700 cm² Expanded Surface Roller Bottle

3152 and 3153 Disposable Spinner Flasks

1L and 3L Disposable Spinner Flasks with Accessories

Corning® Disposable Plastic Roller Bottles

Corning plastic roller bottles are manufactured from virgin polystyrene and feature one-piece seamless construction. The roller bottles are manufactured in FDA compliant and ISO 9002 registered manufacturing facilities. Corning roller bottles are widely used in automated culture systems to produce cells for viral vaccines and high throughput drug screening programs.

Smooth Surface Plastic Roller Bottles Ordering Information

Cat. No.	Surface Area (cm²)	Surface Treatment	Cap Style	Qty/Pk	Qty/Cs
430195	490	Tissue Culture Treated	Plug Seal	2	40
3907	850	Corning CellBIND®	Easy Grip	2	40
431198	850	Tissue Culture Treated	Easy Grip Vent	2	40
431329	850	Corning CellBIND	Easy Grip Vent	2	40
430851	850	Tissue Culture Treated	Easy Grip	5	40
431133	850	Tissue Culture Treated	Easy Grip	20	20
431344	850	Corning CellBIND Surface	Easy Grip	22	44
430699	1750	Tissue Culture Treated	Easy Grip	10	20

Expanded Surface Plastic Roller Bottles Ordering Information

Cat. No.	Surface Area (cm²)	Surface Treatment	Cap Style	Qty/Pk	Qty/Cs
430852	1700	Tissue Culture Treated	Easy Grip	2	40
431200	1700	Tissue Culture Treated	Easy Grip Vent	2	40
430853	1700	Tissue Culture Treated	Easy Grip	5	40
431135	1700	Tissue Culture Treated	Easy Grip	20	20
431134	1700	Corning CellBIND Surface	Easy Grip	20	20
431191	1700	Tissue Culture Treated	Easy Grip Vent	20	20

Corning Disposable Spinner Flasks

Corning Disposable Spinner Flasks come ready to meet your needs for growth of suspension cell lines.

- Comes ready-to-use with paddle and integrated magnet, no time-consuming assembly/cleaning/re-assembly
- Clean and sterile with virgin polystyrene and gamma irradiation
- Made of ISO 10993 polystyrene, the vessel is comparable to conventional glass spinner flasks for suspension cell growth and any attachment-dependent cultures using microcarrier beads
- Unique integrated magnet provides smooth, even rotation
- Available as closed system solution

Corning Disposable Spinner Flasks Ordering Information

Cat. No.	Volume	Cap	Qty/Cs
3152	125 mL	Flat Cap	12
3153	500 mL	Flat Cap	12
3561	1L	Flat Cap	6
3580	1L	Vent Cap	6
3563	3L	Flat Cap	4
3581	3L	Vent Cap	4

Sizes range from 125 mL to 3L for plain and baffled Erlenmeyer flasks

3567 Vent Cap

Unique baffled design with a molded-in "1/3 Fill" line for convenience on all baffled Erlenmeyer flasks.

Corning® Polycarbonate Erlenmeyer and Fernbach Flasks

Corning Erlenmeyer Flasks are sterile, disposable and ideal for all shaker culture applications as well as liquid handling and storage.

- Polycarbonate construction: USP Class VI material provides excellent optical clarity and mechanical strength
- Available in 125 mL, 250 mL, 500 mL, 1L, 2L and 3L sizes
- Baffled or plain bottom options in every size
- Available as closed system solution
- Highest Sterility Assurance Level (SAL) of 10^{-6}
- Certified nonpyrogenic

Plain Bottom Erlenmeyer Flasks Ordering Information

Cat. No.	Description	Cap Style	Qty/Cs
431143	125 mL Erlenmeyer Flask	Vent Cap	50
430421	125 mL Erlenmeyer Flask	Flat Cap	50
431144	250 mL Erlenmeyer Flask	Vent Cap	50
430183	250 mL Erlenmeyer Flask	Flat Cap	50
431145	500 mL Erlenmeyer Flask	Vent Cap	25
430422	500 mL Erlenmeyer Flask	Flat Cap	25
431147	1L Erlenmeyer Flask	Vent Cap	25
431146	1L Erlenmeyer Flask	Flat Cap	25
431255	2L Erlenmeyer Flask	Vent Cap	6
431252	3L Erlenmeyer Flask	Vent Cap	4

Baffled Bottom Erlenmeyer Flasks Ordering Information

Cat. No.	Description	Cap Style	Qty/Cs
431405	125 mL Erlenmeyer Flask	Vent Cap	50
431404	125 mL Erlenmeyer Flask	Flat Cap	50
431407	250 mL Erlenmeyer Flask	Vent Cap	50
431406	250 mL Erlenmeyer Flask	Flat Cap	50
431401	500 mL Erlenmeyer Flask	Vent Cap	25
431408	500 mL Erlenmeyer Flask	Flat Cap	25
431403	1L Erlenmeyer Flask	Vent Cap	25
431402	1L Erlenmeyer Flask	Flat Cap	25
431256	2L Erlenmeyer Flask	Vent Cap	6
431253	3L Erlenmeyer Flask	Vent Cap	4

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