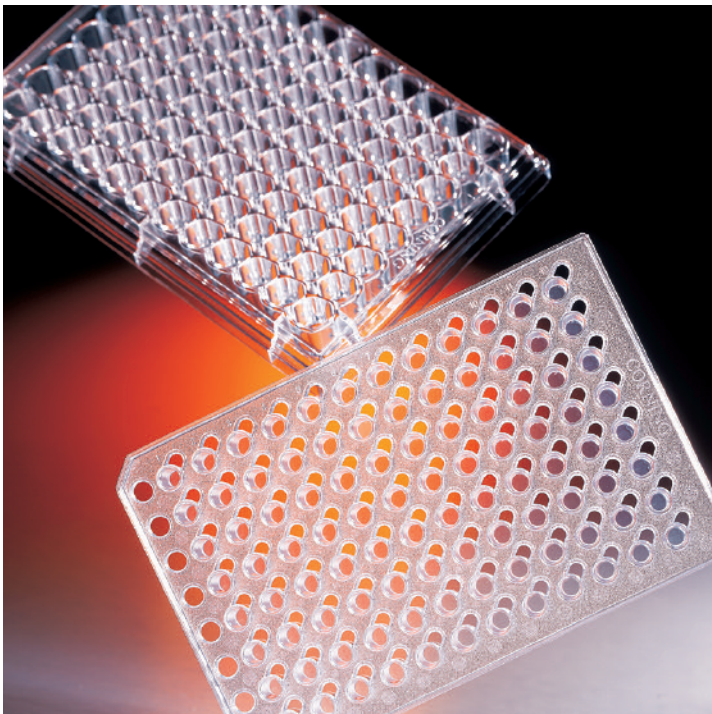


Corning Cell Culture Products

Featuring Corning® cellgro® and Specialized Surfaces

CORNING



Beginning-to-End Cell Culture Solutions From Corning

Corning is proud to offer cell culture 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 customer and technical service delivered by a team of experts who are dedicated to meeting your specific needs.

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

Our Corning Cell Culture Products brochure contains information on a selection of key products for the cell culture lab. For full details of our offering, please go to www.corning.com/lifesciences or www.cellgro.com, or contact your authorized Corning or Corning cellgro dealer.

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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 Corning product number, product description, and desired quantity. You should also include your billing and shipping address and your Corning 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 website (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 be returned due to the temperature-sensitive nature of the product.

The Corning cellgro line provides a broad range of cell culture media to support both research and biopharmaceutical industry needs.

Dulbecco’s Modification of Eagle’s Medium (DMEM)

- ▶ Dulbecco’s Modified Eagle’s Medium (DMEM) is a modification of Basal Medium Eagle (BME) containing additional amino acids and vitamins.
- ▶ DMEM is ideal for embryonic mouse cells and a variety of normal and transformed cells, such as primary cultures of mouse and chicken cells.

Dulbecco’s Modification of Eagle’s Medium Ordering Information

Cat No.	Description	Size	Qty
10-013-CV, CM	With 4.5 g/L glucose, L-glutamine, and sodium pyruvate	500 mL, 1L	1 pk
10-014-CV, CM	With 1.0 g/L sodium pyruvate, L-glutamine and phenol red	500 mL, 1L	1 pk
10-017-CV, CM	With 4.5 g/L glucose and L-glutamine, without sodium pyruvate	500 mL, 1L	1 pk
15-013-CV, CM	With 4.5 g/L glucose and sodium pyruvate without L-glutamine	500 mL, 1L	1 pk
15-017-CV, CM	With 4.5 g/L glucose, without L-glutamine and sodium pyruvate	500 mL, 1L	1 pk
15-018-CV, CM	With 4.5 g/L glucose, sodium pyruvate, and 25 mM HEPES, without L-glutamine	500 mL, 1L	1 pk

Ham’s F-12 Medium

Originally formulated for the serum-free culture of CHO cells, Ham’s F-12 can be used for culturing carcinoma cells, rat skeletal myoblasts, Chinese hamster lung cells, and rat, rabbit and chicken embryos.

Ham’s F-12 Medium Ordering Information

Cat No.	Description	Size	Qty
10-080-CV, CM	With L-glutamine	500 mL, 1L	1 pk

DMEM/Ham’s F-12 50/50 Mix (Mod.)

Ideal for culture of a variety of cell types under low serum conditions.

DMEM/Ham’s F-12 50/50 Mix (Mod.) Ordering Information

Cat No.	Description	Size	Qty
10-090-CV, CM	With L-glutamine	500 mL, 1L	1 pk
16-405-CV	With L-glutamine, without phenol red	500 mL	1 pk
15-090-CV, CM	Without L-glutamine	500 mL, 1L	1 pk
10-092-CV, CM	With L-glutamine and 15 mM HEPES	500 mL, 1L	1 pk



Corning cellgro products are Class 1 medical devices and are manufactured following current Good Manufacturing Processes (cGMP) under 21 CFR Part 820, Quality System Regulation and ISO 13485:2003 certification for a quality management system.



Minimum Essential Medium (MEM)

- ▶ Modified from BME to have higher concentrations of amino acids to more closely approximate the protein composition of mammalian cells
- ▶ Used for cells grown in monolayers, such as fibroblasts

Minimum Essential Medium Ordering Information

Cat No.	Description	Size	Qty
10-010-CV, CM	With Earle's salts and L-glutamine	500 mL, 1L	1 pk
15-010-CV, CM	With Earle's salts without L-glutamine	500 mL, 1L	1 pk
15-015-CV	Without L-glutamine, calcium, and magnesium	500 mL	1 pk



Minimum Essential Medium (MEM) Alpha Medium

- ▶ MEM Alpha is a form of MEM more closely mimicking the protein composition of mammalian cells
- ▶ Used for the cultivation of cells grown in monolayers, such as fibroblasts

Minimum Essential Medium Alpha Medium Ordering Information

Cat No.	Description	Size	Qty
10-022-CV	Earle's salts, with ribonucleosides, deoxyribonucleosides, and L-glutamine	500 mL	1 pk
15-012-CV	Earle's salts, without ribonucleosides, deoxyribonucleosides, and L-glutamine	500 mL	1 pk



RPMI 1640

- ▶ Modification of McCoy's 5A designed for cancer cell culture
- ▶ Used for mammalian myeloma and hybridoma cells such as mouse hybridomas, human leukocytes, B and T lymphocytes

RPMI 1640 Ordering Information

Cat No.	Description	Size	Qty
10-040-CV, CM	With L-glutamine	500 mL, 1L	1 pk
15-040-CV, CM	Without L-glutamine	500 mL, 1L	1 pk
10-041-CV, CM	With L-glutamine and 25 mM HEPES	500 mL, 1L	1 pk
10-043-CV	With L-glutamine without glucose	500 mL	1 pk
15-041-CV	With 25 mM HEPES, without L-glutamine	500 mL	1 pk

Buffered Salt Solutions

- ▶ Buffered salt solutions are made to a physiological pH and salt concentration.
- ▶ They help to maintain cultures at physiological pH and osmotic pressure, and are also used for washing tissues and cells.

Buffered Salt Solutions Ordering Information

Cat No.	Description	Size	Qty
Phosphate Buffered Saline (PBS)			
21-040-CV, CM	1X without calcium and magnesium	500 mL, 1L	1pk
46-013-CM	10X without calcium and magnesium	1L	1pk
Dulbecco's Phosphate Buffered Saline (DPBS)			
20-030-CV	10X with calcium and magnesium	500 mL	1pk
20-031-CV	10X without calcium and magnesium	500 mL	1pk
21-030-CV, CM	1X with calcium and magnesium	500 mL, 1L	1pk
21-031-CV, CM	1X without calcium and magnesium	500 mL, 1L	1pk
Hank's Balanced Salt Solution (HBSS)			
20-021-CV	10X without sodium bicarbonate, calcium, and magnesium	500 mL	1pk
20-023-CV	10X with calcium and magnesium, without phenol red and sodium bicarbonate	500 mL	1pk
21-020-CV, CM	1X with calcium and magnesium	500 mL, 1L	1pk
21-021-CV, CM	1X without calcium and magnesium	500 mL, 1L	1pk
21-022-CV, CM	1X without calcium, magnesium, and phenol red	500 mL, 1L	1pk
21-023-CV, CM	1X with calcium and magnesium without phenol red	500 mL, 1L	1pk
Tris-Buffered Saline (TBS)			
46-012-CM	10X Tris Buffered Saline	1L	1pk

Water

Water for Injection (WFI) quality water meets United States Pharmacopeia (USP) testing requirements. Applications include use in cell culture, cleaning of laboratory glassware and containers, device process validation and purification.

Water Ordering Information

Cat No.	Description	Size	Qty
46-000-CI, CV, CM	Molecular Grade Water, RNase, DNase, protease free	100 mL, 500 mL, 1L	1pk
25-055-CI, CV, CM	Cell Culture Grade Water, WFI (Water for Injection)	100 mL, 500 mL, 1L	1 pk
25-065-LB, LG, LH	USP/EP Certified Sterile WFI-Quality Water	20L, 100L, 200L	1 ea
46-002-LF	Reagent Grade, 4L Cube	4L	1 pk of 2

Antibiotics

Antibiotics and antimycotics aid in preventing culture contamination.

Antibiotics Ordering Information

Cat No.	Description	Size	Qty
61-238-RH, RM	Ampicillin, Sodium Salt, powder	10 g, 100 g	1 ea, 1 ea
30-100-RB	Blasticidin S HCl	50 mg	1 ea
30-003-CF	Amphotericin B, liquid	50 mg	1 ea
30-004-CI	Antibiotic Antimycotic Solution	100 mL	6/pk
61-239-RI	Chloramphenicol, powder	25 g	1 each
61-277-RF, RG	Ciprofloxacin Hydrochloride, powder	1 g, 5 g	1 ea, 1 ea
30-234-CR, CI	G418 Sulfate, liquid	10 mL, 100 mL	1 ea, 1 ea
30-005-CR	Gentamicin Sulfate, liquid	10 mL	10/pk
30-240-CR	Hygromycin B Solution	10 mL	1 each
30-001-CI	Penicillin-Streptomycin Solution, 50X	100 mL	6/pk

Sera

Fetal Bovine Serum (FBS) is the most common supplement used in cell culture. It is a sterile liquid, separated from the blood of the bovine fetus. At specific concentrations, FBS provides many compounds that satisfy specific metabolic requirements for the culture of cells, including growth promoting factors. In general, media is supplemented with a 10% addition of FBS.

Serum Ordering Information

Cat No.	Description	Size	Qty
35-010-CV	FBS, regular (USDA approved source)	500 mL	1 each
35-011-CV	FBS, regular, heat inactivated (USDA approved source)	500 mL	1 each
35-015-CV	FBS, premium (U.S. source)	500 mL	1 each
35-016-CV	FBS, premium heat inactivated (U.S. source)	500 mL	1 each
35-070-CV	Gamma irradiated FBS, premium	500 mL	1 each
35-071-CV	Dialyzed FBS, premium	500 mL	1 each
35-072-CV	Charcoal-stripped FBS, premium	500 mL	1 each
35-073-CV	Low IgG FBS, premium	500 mL	1 each
35-074-CV	Embryonic stem cell qualified FBS, premium	500 mL	1 each
35-075-CV	Tetracycline negative FBS	500 mL	1 each
35-060-CI	Human AB serum	100 mL	1 each

Corning also offers Donor Calf, Donor Horse and Porcine serum. All Corning cellgro FBS meets the approval of the U.S. Department of Agriculture.

Cell Growth Supplements

Growth media requires specific nutrients and supplements, among other reagents, to maximize results and consistency.

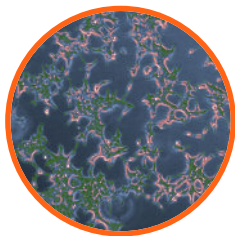
We offer a variety of products including:

- ▶ L-glutamine and its alternate glutaGRO™
- ▶ Amino acids
- ▶ Insulin transferrin selenium
- ▶ Various animal origin and non-animal origin growth factors and supplements

We are committed to providing researchers with the highest quality supplements to drive their research. As with all Corning cellgro products, cGMP practices and ISO standards are inherent to the quality of cellgro supplements.

For a complete listing of Corning cellgro products, visit www.cellgro.com.



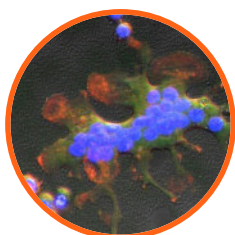


Increase Cell Growth and Yields with Corning® CellBIND® Surface

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 (wetter) 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, HYPERFlask® Cell Culture Vessels and CellSTACK® Culture Chambers

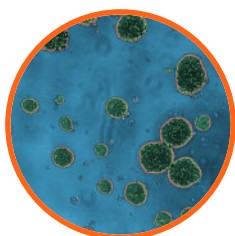


Corning Osteo Assay Surface for Osteogenesis Research

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

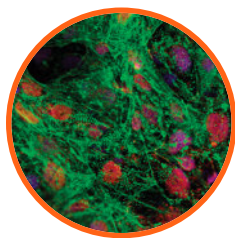


Corning Ultra-Low Attachment Surface to Minimize Cell Adhesion

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 embryoid 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 and 384 well multiple well plates. 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

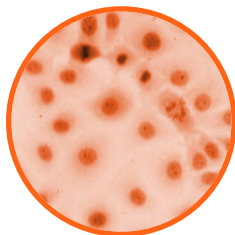
Corning Not Treated Cell Culture Products for Reduced Attachment Needs

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

■ *Shaded products on the following pages indicate a specialized Corning surface.*

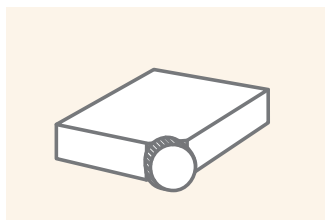


CELL CULTURE FLASKS

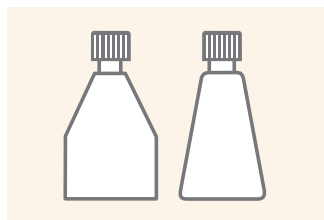
Cell Culture Flasks

Flask Shapes

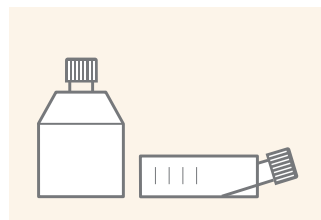
Choosing a flask shape is usually a matter of personal preference:



Low Profile flasks have reduced height for incubator space savings. The corner neck gives direct access to the flask corner.



Triangular and modified-triangular flasks offer good pipet and cell scraper access to the corners. The wider base provides added stability.



Rectangular flasks have a ramp from the bottom to the canted neck for easier pouring and pipet access. Most canted neck flasks also have an antitip skirt to enhance stability.



Angled neck and traditional straight neck flasks utilize the entire bottom area for cell growth. Their design saves on space and reduces medium sloshing into the neck.



430641 75 cm² Canted Neck Flask with Vent Cap



430725 75 cm² Canted Neck Flask with Phenolic Style Cap



3816 Low Profile Flask

Corning® Cell Culture Flask Ordering Information

25 cm² Growth Area Flasks

Cat. No.	Surface	Flask Style	Neck Style	Cap Style	Qty/Pk	Qty/Cs
430168	TC	Rectangular	Canted	Plug seal	20	500
430372	TC	Rectangular	Canted	Phenolic-style	20	500
430639	TC	Rectangular	Canted	Vent cap	20	200
3055	TC	Triangular	Angled	Phenolic-style	20	500
3056	TC	Triangular	Angled	Vent cap	10	200
3289	Corning CellBIND® Surface	Rectangular	Canted	Vent cap	20	200
3815	Ultra-Low Attachment	Rectangular	Canted	Vent cap	6	24
431463	Not Treated	Rectangular	Canted	Vent cap	20	200

75 cm² Growth Area Flasks

430641	TC	Rectangular	Canted	Vent cap	5	100
430720	TC	Rectangular	Canted	Plug seal	5	100
430725	TC	Rectangular	Canted	Phenolic-style	5	100
3275	TC	Modified triangular	Straight	Phenolic-style	5	100
3276	TC	Modified triangular	Straight	Vent cap	5	100
3290	Corning CellBIND Surface	Rectangular	Canted	Vent cap	5	100
3814	Ultra-Low Attachment	Rectangular	Canted	Vent cap	4	24
431464	Not treated	Rectangular	Canted	Vent cap	5	100
3983	Synthemax™	Rectangular	Canted	Vent cap	1	2
3984	Synthemax	Rectangular	Canted	Vent cap	1	12

100 cm² Growth Area Low Profile Flask

Cat. No.	Description	Qty/Pk	Qty/Cs
3816	Low Profile Flask, 100 cm ² , tissue culture surface with vent cap, sterile	6	60

■ Products with shading indicate a specialized Corning surface.

CELL CULTURE FLASKS

Corning® Cell Culture Flask Ordering Information (Continued)

150 cm² Growth Area Flasks

Cat. No.	Surface	Flask Style	Neck Style	Cap Style	Qty/Pk	Qty/Cs
430823	TC	Rectangular	Canted	Plug seal	5	50
430824	TC	Rectangular	Canted	Phenolic style	5	50
430825	TC	Rectangular	Canted	Vent cap	5	50
3291	Corning CellBIND® Surface	Rectangular	Canted	Vent cap	5	50
431465	Not treated	Rectangular	Canted	Vent cap	5	50

162 cm² Growth Area Flasks

3150	TC	Traditional	Straight	Phenolic style	5	25
3151	TC	Traditional	Straight	Vent cap	5	25

175 cm² Growth Area Flasks

431079	TC	Rectangular	Angled	Plug seal	5	50
431080	TC	Rectangular	Angled	Vent cap	5	50
431085	TC	Rectangular	Angled	Phenolic style	5	50
431306*	TC	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
431466	Not treated	Rectangular	Angled	Vent cap	5	50

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

225 cm² Growth Area Flasks

431081	TC	Traditional	Angled	Plug seal	5	25
431082	TC	Traditional	Angled	Vent cap	5	25
3000	TC	Rectangular	Canted	Phenolic style	4	24
3001	TC	Rectangular	Canted	Vent cap	4	24
3293	Corning CellBIND Surface	Traditional	Angled	Vent cap	5	25

1720 cm² Growth Area HYPERFlask® Vessel

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

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

■ Products with shading indicate a specialized Corning surface.



430823 150 cm² Canted Neck Flask with Plug Seal Cap



431306 175 cm² Flask with Vent Cap and Bar Code



431082 225 cm² Angled Neck Flask with Vent Cap

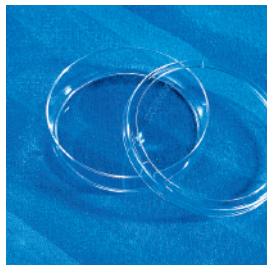


10024 HYPERFlask Vessel

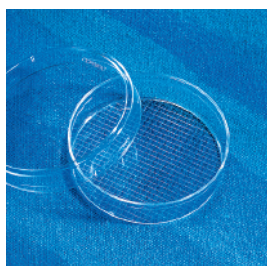
Cell Culture Flask Selection Tip

The novel HYPERFlask Vessel offers high yield and high performance with 10 growth surfaces and 1720 cm² growth area in the same footprint as the 175 cm² flask.

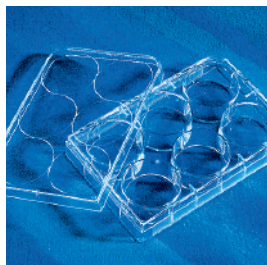
CELL CULTURE DISHES AND MULTIPLE WELL PLATES



3296 100 mm Dishes coated with Corning CellBIND Surface



430196 Gridded 60 mm Dish



3516 6 Well Culture Plate



3513 12 Well Culture Plate



3548 48 Well Culture Plate

Corning® Cell Culture Dishes

Corning Cell Culture Dish Ordering Information

Cat. No.	Surface	Dish Style* (mm)	Approx. Height (mm)	Growth Area (cm ²)	Qty/Pk	Qty/Cs
3294	Corning CellBIND® Surface	35	10	9	10	210
430165	TC	35	10	9	20	500
430166	TC	60	15	21	20	500
3295	Corning CellBIND Surface	60	15	21	7	126
3261	Ultra-Low Attachment	60	15	21	5	20
3262	Ultra-Low Attachment	100	20	55	5	20
430196	TC	60 with 2 mm grid	15	21	20	500
3296	Corning CellBIND Surface	100	20	152	5	40
430167	TC	100	20	55	20	500
430293	TC	100	20	55	10	480
430599	TC	150	25	150	5	60
431110	TC	245	25	500	4	16

*Dish style (mm) = actual growth surface diameters: 35 mm dish = 34.4 mm; 60 mm dish = 52.1 mm; 100 mm dish = 83.8 mm; 150 mm dish = 139.1 mm. The square dishes have interior bottom dimensions of 224 mm x 224 mm.

Costar® Multiple Well Plates

Costar 6, 12, 24, and 48 Well Plates Ordering Information

Cat. No.	Surface	Plate Type	Qty/Pk	Qty/Cs
6 Well				
3335	Corning CellBIND Surface	Standard clear	5	50
3506	TC	Standard clear	5	100
3516	TC	Standard clear	1	50
3471	Ultra-Low Attachment Surface	Standard clear with hydrogel*	1	24
3736	Not treated	Standard clear	5	100
New 3978	Synthemax Surface	Standard clear	1	2
New 3979	Synthemax Surface	Standard clear	1	12
12 Well				
3336	Corning CellBIND Surface	Standard clear	5	50
3512	TC	Standard clear	5	100
3513	TC	Standard clear	1	50
3737	Not treated	Standard clear	5	100
24 Well				
3337	Corning CellBIND Surface	Standard clear	5	50
3524	TC	Standard clear	1	100
3526	TC	Standard clear	1	50
3527	TC	Standard clear	5	100
3473	Ultra-Low Attachment Surface	Standard with hydrogel*	1	24
3738	Not treated	Standard clear	5	100
New 3987	Corning Osteo Assay Surface	Standard clear	1	4
48 Well				
3338	Corning CellBIND Surface	Standard clear	5	50
3548	TC	Standard clear	1	100

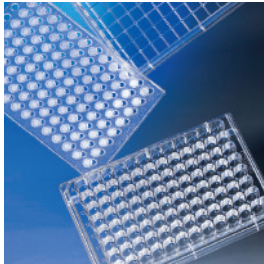
*This covalently bonded hydrogel surface minimizes cell attachment, protein absorption, enzyme activation and cellular activation. The surface is noncytotoxic, biologically inert and nondegradable.

■ Products with shading indicate a specialized Corning surface.

TRANSWELL® PERMEABLE SUPPORTS AND SNAPWELL™ INSERTS

Transwell Permeable Supports

Transwell cell culture inserts are convenient, easy-to-use, permeable support devices for the study of both anchorage-dependent and anchorage-independent cell lines.



HTS Transwell-96 System

- ▶ Designed to produce a cell culture environment that closely resembles the *in vivo* state
- ▶ Allows polarized cells to feed basolaterally and thereby carry out metabolic activities in a more natural fashion
- ▶ Unique self-centered hanging design prevents medium wicking between the insert and outer well
- ▶ Permits access to the lower compartment through windows in the insert wall
- ▶ Suspended design allows for undamaged co-culturing of cells in the lower compartment
- ▶ Available in a range of pore sizes and different membranes to satisfy diverse experimental requirements

HTS Transwell-96 Well Permeable Supports Ordering Information

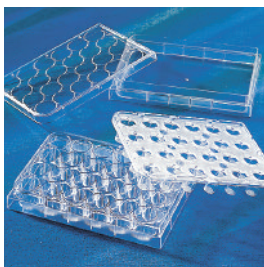
Cat. No.	Description	Membrane Pore Size (µm)	Membrane	Qty/ Pk	Qty/ Cs
3381	HTS Transwell-96 System, reservoir and receiver plates with 2 lids	0.4	PC	1	1
3391	HTS Transwell-96 System, reservoir and receiver plates with 2 lids	0.4	PC	1	5
3380	HTS Transwell-96 System, reservoir and receiver plates with 2 lids	1.0	PET	1	1
3392	HTS Transwell-96 System, reservoir and receiver plates with 2 lids	1.0	PET	1	5
3385	HTS Transwell-96 well plate, receiver plate and lid, individual	3.0	PC	1	2
3386	HTS Transwell-96 well plate, receiver plate and lid, bulk	3.0	PC	4	8
3387	HTS Transwell-96 well plate, receiver plate and lid, bulk	5.0	PC	4	8
3388	HTS Transwell-96 well plate, receiver plate and lid, individual	5.0	PC	1	2
3374	HTS Transwell-96 well plate, receiver plate and lid, individual	8.0	PET	1	2
3384	HTS Transwell-96 well plate, receiver plate and lid, bulk	8.0	PET	4	8
3382	HTS Transwell-96 receiver plate with lid, tissue culture treated	n/a	n/a	10	10
3383	HTS Transwell-96 reservoir plate with removable media stabilizer and lid, not treated	n/a	n/a	10	10
3583	HTS Transwell-96 black receiver plate with lid, tissue culture treated	n/a	n/a	10	10

PC = polycarbonate, PET = polyethylene terephthalate

HTS Transwell-24 Well Permeable Supports Ordering Information

Cat. No.	Description	Membrane Pore Size (µm)	Membrane	Qty/Pk	Plates/Cs
3396	HTS Transwell-24, individual	0.4	PC	1	2
3397	HTS Transwell-24, bulk	0.4	PC	12	12
3398	HTS Transwell-24, individual	3.0	PC	1	2
3399	HTS Transwell-24, bulk	3.0	PC	12	12
3395	HTS Transwell not treated reservoir	n/a	n/a	12	48
3378	HTS Transwell-24, bulk	0.4	PET	12	12
3379	HTS Transwell-24, individual	0.4	PET	1	2

PC = polycarbonate, PET = polyethylene terephthalate



HTS Transwell-24 Well Permeable Support

TRANSWELL® PERMEABLE SUPPORTS AND SNAPWELL™ INSERTS

Transwell Polycarbonate Membrane Permeable Support Ordering Information

Cat. No.	Membrane Diameter (mm)	Growth Surface Area (cm ²)	Membrane Pore Size (µm)	Tissue Culture Treated	Inner Packaging*	Inserts/Cs
3413	6.5	0.33	0.4	Yes	12/plate*	48
3415	6.5	0.33	3.0	Yes	12/plate*	48
3421	6.5	0.33	5.0	Yes	12/plate*	48
3422	6.5	0.33	8.0	Yes	12/plate*	48
3401	12	1.12	0.4	Yes	12/plate	48
3402	12	1.12	3.0	Yes	12/plate	48
3412	24	4.67	0.4	Yes	6/plate	24
3414	24	4.67	3.0	Yes	6/plate	24
3428	24	4.67	8.0	Yes	6/plate	24
3419	75	44	0.4	Yes	1/dish	12
3420	75	44	3.0	Yes	1/dish	12

*6.5 mm membrane diameter are packaged 12 inserts in a 24 well plate, 4 plates per case.

Transwell-Clear Insert Ordering Information

Cat. No.	Membrane Diameter (mm)	Growth Surface Area (cm ²)	Membrane Pore Size (µm)	Inner Packaging*	Inserts/Cs
3470	6.5	0.33	0.4	12/plate*	48
3472	6.5	0.33	3.0	12/plate*	48
3460	12	1.12	0.4	12/plate	48
3462	12	1.12	3.0	12/plate	48
3450	24	4.67	0.4	6/plate	24
3452	24	4.67	3.0	6/plate	24

*6.5 mm membrane diameter are packaged 12 inserts in a 24 well plate, 4 plates per case.

Transwell-COL Insert Ordering Information

Cat. No.	Membrane Diameter (mm)	Growth Surface Area (cm ²)	Membrane Pore Size (µm)	Inner Packaging	Multiple Well Plate	Inserts/Cs
3495*	6.5	0.33	0.4	Individual	24 well	24
3496*	6.5	0.33	3.0	Individual	24 well	24
3493	12	1.12	0.4	Individual	12 well	24
3494	12	1.12	3.0	Individual	12 well	24
3491	24	4.67	0.4	Individual	6 well	24
3492	24	4.67	3.0	Individual	6 well	24

*Includes twenty-four 6.5 mm inserts packaged separately with two 24 well plates.

Snapwell Inserts

- ▶ A modified Transwell permeable support containing a 12 mm diameter membrane supported by a detachable ring
- ▶ Once cells are grown to confluence on the Snapwell insert, the ring can be placed in a vertical or horizontal diffusion chamber
- ▶ Sterilized by gamma irradiation
- ▶ packaged in 6 well plates

Snapwell Insert Ordering Information

Cat. No.	Membrane Diameter (mm)	Growth Surface Area (cm ²)	Membrane Pore Size (µm)	Membrane	Inner Packaging	Multiple Well Plate	Inserts/Cs
3407	12	1.12	0.4	PC	6/plate	6 well	24
3801	12	1.12	0.4	Clear PET	6/plate	6 well	24

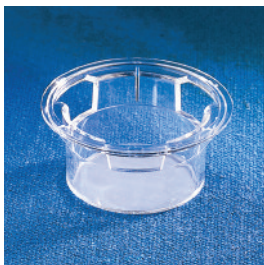
PC = polycarbonate, PET = polyethylene terephthalate



3401 12 mm Polycarbonate Transwell Insert



3419 75 mm Polycarbonate Transwell Insert



3491 24 mm Transwell-COL Collagen-Coated Insert



3407 12 mm Snapwell Inserts

FILTRATION



Vacuum Filter Systems



Bottle Top Vacuum Filters

Corning® Vacuum Filter Systems

- ▶ Angled hose connector provides added stability while filtering
- ▶ Clearly labeled filter funnels for easy product identification
- ▶ Four sizes: 150 mL, 250 mL, 500 mL and 1L
- ▶ Receiver bottles feature easy grip sides for improved handling

Corning Vacuum Filter Systems Ordering Information

Cat. No.	Funnel/Bottle Volume (mL)	Membrane Size (mm ²)	Pore Size (µm)	Qty/Cs
PES Membrane				
431153	150/150	42	0.22	12
431096	250/250	49.5	0.22	12
431097	500/500	63	0.22	12
431098	1,000/1,000	79	0.22	12
CA Membrane				
431154	150/150	42	0.22	12
431155	150/150	42	0.45	12
430767	250/250	49.5	0.22	12
430768	250/250	49.5	0.45	12
430769	500/500	63	0.22	12
460770	500/500	63	0.45	12
430516	1,000/1,000	79	0.45	12
460517	1,000/1,000	79	0.22	12
431205	500/1,000	63	0.22	12
431206	500/1,000	63	0.45	12

CA = cellulose, PES = polyethersulfone

Bottle Top Vacuum Filters

- ▶ Individually packaged, sterile and certified nonpyrogenic
- ▶ Available in 33 mm and 45 mm necks to fit most glass and plastic media storage bottles

Bottle Top Vacuum Filters Ordering Information

Cat. No.	Funnel Volume (mL)	Membrane Size (mm ²)	Pore Size (µm)	Neck Size (mm)	Qty/CS
PES Membrane					
431160	150	42	.22	33	48
431161	150	42	.22	45	48
431117	500	63	.22	33	12
431118	500	63	.22	45	12
431174	1,000	79	.22	45	12

PES = polyethersulfone

LIQUID HANDLING



Stripette Serological Pipets

Stripette® Serological Pipettes

- ▶ Exclusive anti-drip tip ensures accurate delivery
- ▶ Color-coded magnifier stripes make volume reading easier
- ▶ Bidirectional graduations provide choice of ascending and descending scales
- ▶ Negative graduations allow additional working volume
- ▶ Sterile, nonpyrogenic, and RNase-/DNase-free
- ▶ Individually paper/plastic wrapped

Stripette Serological Pipettes Ordering Information

Cat. No.	Capacity (mL)	Graduations (mL)	Negative Graduations (mL)	Color Coded Stripe	Qty/Pk	Qty/Cs
4485	1	1/100	0.2	Yellow	50/bag	1,000
4486	2	1/100	0.2	Green	50/bag	1,000
4487	5	1/10	2.5	Blue	50/bag	200
4488	10	1/10	3.0	Orange	50/bag	200
4489	25	2/10	10.0	Red	25/bag	200
4490	50	½	10.0	Purple	25/bag	100
4491	100	1	n/a	Aqua	10/bag	100



Exclusive Antidrip Tip

Also available: individually wrapped in clear plastic wrap and bulk packs.



15 and 50 mL CentriStar Centrifuge Tubes

Corning® CentriStar™ and Plug Seal Centrifuge Tubes

- ▶ Leakproof cap design ensures a tight seal
- ▶ Easy-on/easy-off cap improves ergonomic cap handling
- ▶ Clear graduations provide accuracy and consistency
- ▶ Large white marking spot enables easy labeling
- ▶ Improved maximum RCF rating for high-speed applications
 - 15 mL polypropylene centrifuge tubes are rated at 12,500 x g
 - 50 mL polypropylene centrifuge tubes are rated at 17,000 x g
- ▶ Increased temperature range of -80°C to 120°C
- ▶ Heavy-metal-free color concentrate
- ▶ Highest quality virgin polypropylene
- ▶ Nonpyrogenic
- ▶ Sterilized by gamma irradiation

Corning CentriStar and Plug Seal Centrifuge Tubes Ordering Information

Cat. No.	Volume (mL)	Material	Maximum RCF (x g)	Qty/Pk	Qty/Cs
430790	15	PP	12,500	50/rack	500
430791	15	PP	12,500	25/sleeve	500
430828	50	PP	17,000	25/rack	500
430829	50	PP	17,000	25/sleeve	500
430053*	15	PET	3,600	25/sleeve	500
430055*	15	PET	3,600	50/rack	500
430052*	15	PP	12,000	50/rack	500
430766*	15	PP	12,000	25/sleeve	500
430290*	50	PP	15,500	25/rack	500
430291*	50	PP	15,500	25/sleeve	500
430034*	50	PET	3,600	25/rack	500



Bulk Pack – Ziplock Bag



Universal Rack

PP = polypropylene, PET = polyethylene terephthalate
 *95 k PA (14 psi) pressure tested.

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