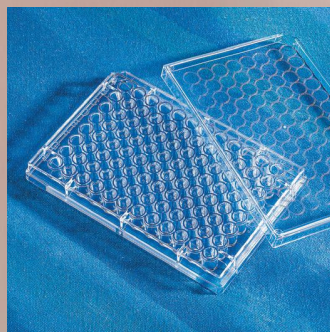
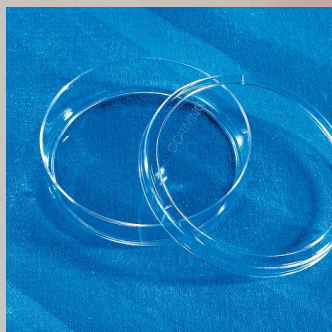
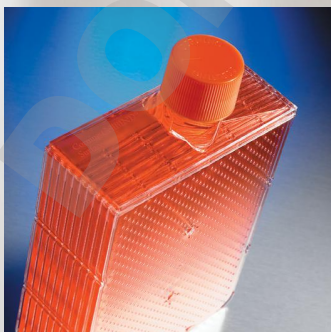


# Corning® Synthetic Cell Culture Surfaces

Surface treatments for flasks, dishes and plates

CORNING



# Corning® Osteo Assay Surface

For osteogenesis research

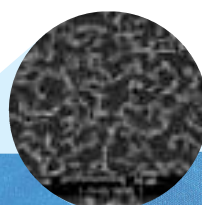
Corning Osteo Assay Surface is a unique 3-dimensional structure that mimics *in vivo* bone for *in vitro* bone cell assays. This inorganic bone biomaterial surface in a multiple well plate is capable of supporting the functional properties of osteogenic cells. The assay surface is manufactured using 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.

The Corning Osteo Assay Surface is designed for:

- ▶ 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

## Corning Osteo Assay Surface Ordering Information

Cat. No.	Description	Qty/Pk	Qty/Cs
3988	96 well plate, Osteo Assay Surface, polystyrene sterile, with bar code and proprietary coating	1	4
3987	24 well plate, Osteo Assay Surface, polystyrene sterile, with proprietary coating	1	4



Scanning Electron Micrograph of Corning Osteo Assay Surface



Corning 24 Well Osteo Assay Surface Plate



Corning 96 Well Osteo Assay Surface Plate

# Corning® Synthemax™ -R Surface for Research

## Synthetic surface for stem cells

The Corning Synthemax-R Surface is a unique synthetic surface coated onto tissue culture treated cell cultureware. The surface chemistry is designed to mimic a cells' 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.

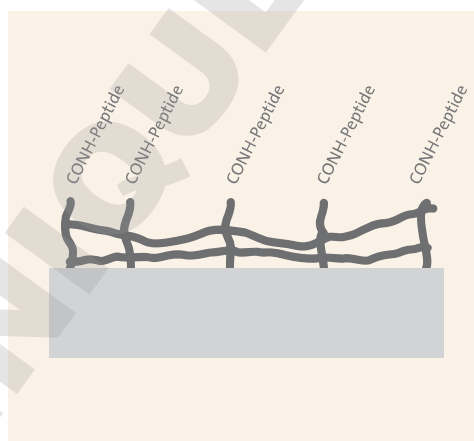
Synthemax-R Surface multiple well plates and flasks offer a synthetic alternative to biological coatings and/or feeder cell layers used in traditional stem cell culture. The proprietary surface coating technology ensures lot-to-lot consistency, facilitating reproducible results in laboratories.

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

- ▶ Gamma sterilized (SAL 10<sup>-3</sup>)
- ▶ 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

### Corning Synthemax-R Surface Ordering Information

Cat. No.	Description	Qty/Pk	Qty/Case
3978XX1	6 well plate, Corning Synthemax-R Surface, polystyrene, sterile	1	2
3979XX1	6 well plate, Corning Synthemax-R Surface, polystyrene, sterile	1	12
3983XX1	T-75 flask, Corning Synthemax-R Surface, polystyrene, sterile	1	2
3984XX1	T-75 flask, Corning Synthemax-R Surface, polystyrene, sterile	1	12



Peptide-acrylate chemistry coated on a 6 well plate.



# Corning® Ultra-Low Attachment Surface

Unique hydrogel surface that inhibits cell attachment

Prevents stem cells from attachment-mediated differentiation

The same Ultra-Low Attachment Surface that you have used on microplates is now available on a variety of Corning products!

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.

The Ultra-Low Attachment Surface is designed for:

- Maintaining cells in a suspended, unattached state
- Preventing stem cells from attachment-mediated differentiation
- Preventing anchorage-dependent cells from dividing
- Reducing binding of attachment and serum proteins to the substrate

## Corning Ultra Low Attachment Surface Products Ordering Information

Cat. No.	Description	Qty/Pk	Qty/Cs
3261	60 mm style dish, Ultra-Low Attachment Surface	5	20
3262	100 mm style dish, Ultra-Low Attachment Surface	5	20
3471	6 well plate, Ultra-Low Attachment Surface	1	24
3473	24 well plate, Ultra-Low Attachment Surface	1	24
3474	96 well plate, Ultra-Low Attachment Surface, flat bottom	1	24
7007	96 well plate, Ultra-Low Attachment Surface, round bottom	1	24
3815	25 cm <sup>2</sup> flask, Ultra-Low Attachment Surface, canted neck, vent cap	6	24
3814	75 cm <sup>2</sup> flask, Ultra-Low Attachment Surface, canted neck, vent cap	4	24
3303	CellSTACK® Chamber, 1-STACK, Ultra-Low Attachment Surface	1	8

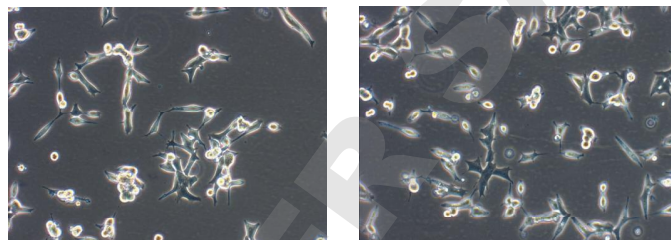


# Corning® CellBIND® Surface

Increase cell growth and yields

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.



Attachment of LNCaP cells. Cells were thawed and plated onto the Corning CellBIND Surface (right) or tissue culture treated (left) T-25 flasks. 24 hours post seeding a random field was viewed by light microscopy (100X magnification).

## Corning CellBIND Surface Products Ordering Information

### Roller Bottles, Sterile

Cat. No.	Description	Qty/Cs
3907	850 cm <sup>2</sup> , easy grip cap	40
431134	1700 cm <sup>2</sup> , easy grip cap	20
431329	850 cm <sup>2</sup> , easy grip vent cap	40

### Flasks, Sterile

3289	25 cm <sup>2</sup> , vent cap	200
3290	75 cm <sup>2</sup> , vent cap	100
3291	150 cm <sup>2</sup> , vent cap	50
3292	175 cm <sup>2</sup> , vent cap	50
3293	225 cm <sup>2</sup> , vent cap	25
3298	175 cm <sup>2</sup> , phenolic cap	50
431328	175 cm <sup>2</sup> , bar coded, vent cap	84
431346	235 cm <sup>2</sup> , with bar code, vent cap	42
3068	92.6 cm <sup>2</sup> RoboFlask™ for automation, bar code, septum cap	50
3067	92.6 cm <sup>2</sup> RoboFlask for automation, bar code, septum cap	100
3073	100 cm <sup>2</sup> Low Profile flask, vent cap	60
10024	1,720 cm <sup>2</sup> HYPERFlask Vessel, bar code	24
10020	1,720 cm <sup>2</sup> HYPERFlask M Vessel, bar code 4 per bag	4
10030	1,720 cm <sup>2</sup> HYPERFlask M Vessel, bar code 1 per bag	4
10034	1,720 cm <sup>2</sup> HYPERFlask M Vessel, bar code 4 per bag	24

### CellSTACK® Culture Chambers, Sterile

Cat. No.	Description	Qty/Cs
3330	636 cm <sup>2</sup> growth area, 1-STACK	8
3310	1,272 cm <sup>2</sup> growth area, 2-STACK	5
3311	3,280 cm <sup>2</sup> growth area, 5-STACK	2
3312	6,360 cm <sup>2</sup> growth area, 10-STACK	2
3320	6,360 cm <sup>2</sup> growth area, 10-STACK	6
3321	25,440 cm <sup>2</sup> growth area, 40-STACK	2

### Dishes, Sterile

3294	35 x 10 mm	210
3295	60 x 15 mm	126
3296	100 x 20 mm	40

### Multiple Well Plates, Clear, Sterile, with Lid

3335	6 well plate	50
3336	12 well plate	50
3337	24 well plate	50
3338	48 well plate	50

### Microplates, Sterile

3300	96 well plate, clear, with lid	50
3340	96 well plate, black/clear, with lid	50
3683	384 well plate, black/clear, with lid	50

# Transwell® Permeable Supports

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

- ▶ 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 System



HTS Transwell-24 Well Permeable Support

## 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	n/a	n/a	10	10
3383	HTS Transwell-96 reservoir plate with removable media stabilizer and lid	n/a	n/a	10	10
3583	HTS Transwell-96 black receiver plate with lid	n/a	n/a	10	10

## 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

## Transwell® Permeable Supports (Continued)



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

### Transwell Polycarbonate Membrane Permeable Support Ordering Information

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

3450	24	4.67	0.4	6 well	6/plate	24
3452	24	4.67	3.0	6 well	6/plate	24
3460	12	1.12	0.4	12 well	12/plate	48
3462	12	1.12	3.0	12 well	12/plate	48
3470	6.5	0.33	0.4	24 well	12/plate*	48
3472	6.5	0.33	3.0	24 well	12/plate*	48

\*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 <sup>2</sup> )	Membrane Pore Size (µm)	Multiple Well Plate	Inserts/Cs
3491	24	4.67	0.4	6 well	24
3492	24	4.67	3.0	6 well	24
3493	12	1.12	0.4	12 well	24
3494	12	1.12	3.0	12 well	24
3495*	6.5	0.33	0.4	24 well	24
3496*	6.5	0.33	3.0	24 well	24

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

### Snapwell™ Insert Ordering Information

Cat. No.	Membrane Pore Size (µm)	Membrane	Inner Packaging	Inserts/Cs
3407	0.4	Polycarbonate	6/plate	24
3802	3.0	Polycarbonate	6/plate	24
3801	0.4	Clear Polyester	6/plate	24

\*Diffusion Chambers are available through Harvard Apparatus ([www.harvardapparatus.com](http://www.harvardapparatus.com))



# Netwell™ Inserts and Accessories

Process more samples in less time



Netwells are polystyrene inserts fitted with polyester mesh bottoms that function as tissue carriers and strainers. They are available sterile, in two mesh sizes, pre-loaded in 6 or 12 well cluster plates with lids. When used with the carrier kit accessories, they can be used to process 6 to 12 samples simultaneously.

## Typical Applications

3D tissue culture, explant cultures, immunocytochemical staining, coarse filtration, *in situ* hybridization, specimen storage

## Netwell Accessories

Specially designed Netwell carriers and handles allow simultaneous processing of up to 12 samples per carrier. Reagent trays hold up to 150 mL of solution and are available in white for colorimetric reaction contrast and in black for better visibility of tissue sections.

## Netwell Inserts Ordering Information

Cat. No.	Membrane Diameter (mm)	Polyester Membrane Mesh Size (µm)	Sterile	Inner Packaging	Inserts/Cs
3477	15	74	Yes	12/plate	48
3478	15	500	Yes	12/plate	48
3479	24	74	Yes	6/plate	48
3480	24	500	Yes	6/plate	48

## Netwell Accessories Ordering Information

Cat. No.	Description	Qty/Cs
3517	Netwell reagent tray, black	200
3519	Netwell reagent tray, white	200
3520	Netwell carrier kit, 15 mm	8
3521	Netwell carrier kit, 24 mm	8

For additional Corning product, technical, or distributor information, please e-mail us at [cctech@corning.com](mailto:cctech@corning.com), visit our website [www.corning.com/lifesciences](http://www.corning.com/lifesciences) or call + 31 20 659 6051 or contact your local Corning sales office listed below.

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