

SPECIALISED CELLS, SPECIAL APPLICATIONS

YOUR RESEARCH - OUR SOLUTION

Let's
GR**W**
together

 **Fisher
Scientific**

Issues with your cell culture?

How can we help you?

For more information
see page 12

PROBLEM: Growing difficult-to-attach cells

SOLUTION: Corning CellBIND surface

Unattached cells do not grow well, may enter apoptosis or be lost during assays or when cultures are fed. The patented Corning CellBIND surface has solved this problem for many cell lines because it is more hydrophilic for better cell attachment.

For more information
see page 14

PROBLEM: Tired of cleaning, assembling and sterilising spinner flasks?

SOLUTION: Corning disposable spinner flasks

Cleaning, assembling and sterilising reusable glass spinner flasks is too time consuming, expensive and risky to meet researchers' needs. Corning's new sterile disposable spinner flasks perform the same as traditional glass vessels.

For more information
see page 12

PROBLEM: I need to grow more cells

SOLUTION: Corning HYPERFlask vessels

Life science researchers are constantly trying to produce more cells for experiments and assays, or producing recombinant proteins, antibodies and viral vectors. Corning's innovative solution to this problem is the novel HYPERFlask vessel which offers 1720cm² growth area (equivalent to ten T-175 flasks) in the footprint of a traditional 175cm² flask.

For more information
see page 15

PROBLEM: Difficult to get high-magnification microscopy and confocal image analysis?

SOLUTION: Thermo Scientific™ Nunc cell culture imaging products

SOLUTION: Corning High Content Screening Microplates

The microscope is essential when wanting to study cells and understand the function of cells. To make life easier for the scientist numerous other cell culture products with optical surfaces have been created as an alternative to using or transferring specimens onto microscope slides'

For more information
see page 6-12

PROBLEM: Low cell attachment for many cell types

SOLUTION: Corning BioCoat™ cultureware

Best in class coating, preferred by customers for robustness, reliability, reproducibility, lot-to-lot consistency

- Broad portfolio of surfaces
- Broad type of plasticware
- Comes with a long track record of application expertise, scientific and technical support

For more information
see page 13

PROBLEM: Need a defined animal-free cell culture surface?

SOLUTION: Corning PureCoat™ cultureware

In preparative cell culture and applied research assays, PureCoat™ amine and carboxyl surfaces are proven to provide improved attachment, increased proliferation, enhanced recovery from freeze-thaw, and improved differentiation for a broad range of cells that exhibit poor attachment properties in standard, serum-free or serum-reduced conditions (e.g., primary cells, transfected cells, and fastidious cell lines). In drug discovery assays, when using transfected cells and commercially prepared division arrested cell lines, both surfaces maintain cell monolayers during vigorous liquid handling manipulation.

For more information
see page 3

PROBLEM: Difficulties in culturing my insect cells

SOLUTION: Insect cell specialised media

Insect cells are widely used as an option for heterologous protein expression both in large scale production or during basic research performed on the lab bench. Insect cells are able to express large quantities of protein with complex post-translational modifications, and interestingly, insect cell lines such as Drosophila S2 grow without CO₂ and at room temperature in contrast to mammalian cells.

For more information
see page 4

PROBLEM: Tired of spending valuable time sourcing FBS?

SOLUTION: Serum-free media

Serum has always been extensively used as a supplement to chemically defined media for mammalian cell culture. As a complex supplement, it contains proteins, growth factors, hormones, amino acids, sugars, trypsin inhibitors and lipids which support vigorous *in vitro* growth of a large number of cell types. However, to minimise the problems associated with the use of serum, several defined, serum-free media have now been developed and commercialised. Serum-free growth media pose numerous advantages over the use of serum, including lot-to-lot consistency, reduced foaming, the elimination of exogenous agents, simpler downstream processing, high cell yield support, global availability and fewer regulatory obstacles.

Insect cells

Insect cells are widely used as an option for heterologous protein expression both in large scale production or during basic research performed on the lab bench. Insect cells are able to express large quantities of protein with complex post-translational modifications, and interestingly, insect cell lines such as *Drosophila* S2 grow without CO₂ and at room temperature in contrast to mammalian cells.



Cell culture media, insect, HyClone™

- Metabolically designed for high cell yield and recombinant protein production
- Complexed lipids for enhanced stability
- Supports multiple insect cell lines
- Supports direct adaptation
- High performance growth in multiple culture systems including high density bioreactors
- Component traceability
- Manufactured under cGMP



Support cell culture growth using GE Healthcare HyClone SFX-Insect Media, a versatile protein-free media designed to support the growth of multiple insect cell lines and production of a variety of recombinant proteins.

Cat. No	Alt. No	Description	Quantity	Pack qty
10521813	SH30278.01	HyQ SF-insect liquid medium	500mL	1
10673143	SH30278.02	HyQ SF-insect liquid medium	1L	1

Cat. No	Alt. No	Description	Quantity	Pack qty
10288023	SH30065.01	HyQ CCM3 media	500mL	1
10176453	SH30065.02	HyQ CCM3 media	1L	1

CORNING

Insect media and reagents

Hink's TNM-FH medium is a modified Grace's formulation containing lactalbumin hydrolysate (LAH) and ultrafiltered yeastolate, and was originally developed for the optimal propagation of cabbage looper, (*Tricoplusi ni*) cells.

Cat. No	Alt. No	Description	Quantity	Pack qty
15343611	13-100-CV	Hink's TNM-FH Medium, with L-glutamine lactalbumin hydrolysate, and yeastolate, without insect haemolymph	500mL	6

Insect cell culture medium was originally formulated to closely resemble insect haemolymph, a physiological component crucial to the function of the insect circulatory system. Grace's basal medium, when properly supplemented, has been used to culture cells derived from a variety of insects including several species of lepidopterans, as well as some dipterans. This medium is primarily used as a basal medium for the growth and maintenance of cell lines derived from lepidopterans.

Cat. No	Alt. No	Description	Quantity	Pack qty
15353611	13-200-CV	Grace's Insect Basal Medium (Vaughn Mod.), with L-glutamine, without insect haemolymph	500mL	6

Insectagro DS2 Serum-Free/Protein-Free Medium was developed for the growth and maintenance of *Drosophila* Schneider 2 (S2) cells to be used in heterologous protein expression. At the optimal temperature range 22-24°C, DS2 cells grow as a loose monolayer and are readily adaptable to growth in suspension. Under these conditions, the cells require minimal adaptation to serum-free culture.

Cat. No	Alt. No	Description	Quantity	Pack qty
15363611	13-402-CV	Insectagro™ DS2 Serum-Free/Protein-Free Medium, 1x without L-glutamine	500mL	6

Insectagro Sf9 is formulated to support the propagation of Sf9 insect cells in culture, and can also be used for SF21 cells. The Sf9 cell line originated at the USDA Insect Pathology Laboratory from IPLBSF-21 cell line, derived from the pupal ovarian tissue of the fall army worm. Sf9 cells are cultured in non-humidified, non-CO₂ incubators at 27°C (room temperature) and display both monolayer and suspension culture qualities. With their fast doubling times of 10-22 hours, Sf9 cells are easily scaled up to large cultures using bioreactors. Sf9 is capable of expressing full-length proteins and have been reported to produce certain proteins up to 20% of the total protein.

Cat. No	Alt. No	Description	Quantity	Pack qty
15373611	13-410-CV	Insectagro™ Sf9 Serum-Free/Protein-Free Medium, 1x with L-glutamine	500mL	6

Specialised for use in insect cell culture, Poloxamer 188 is a surfactant used to protect cells in suspension against possible damage during transfer, freezing and thawing, and stirring. It is a non-ionic detergent with an average molecular weight of 8400Da consisting of a central polyoxypropylene flanked by two polyoxyethylene molecules. Poloxamer 188 is equivalent to Pluronic™ F-68.

Cat. No	Alt. No	Description	Quantity	Pack qty
15323551	13-901-CI	Poloxamer 188, liquid	100mL	6
15323761	61-161-RM	Poloxamer 188, powder	100g	6

Polysucrose 400 is a synthetic polymer of sucrose and epichlorohydrin used for the density gradient separation of cells, cell membranes and virus cells. It can also be used to isolate different organelles. This nonionic compound is provided in powder form.

Cat. No	Alt. No	Description	Quantity	Pack qty
15343761	61-196-RM	Polysucrose 400, powder	100g	6
15353761	61-196-RO	Polysucrose 400, powder	500g	6

Serum-free media

Serum has always been extensively used as a supplement to chemically defined media for mammalian cell culture. As a complex supplement, it contains proteins, growth factors, hormones, amino acids, sugars, trypsin inhibitors and lipids which support vigorous in vitro growth of a large number of cell types. However, to minimise problems associated with the use of serum, several defined, serum-free media have now been developed and commercialised. Serum-free growth media pose numerous advantages over the use of serum, including lot-to-lot consistency, reduced foaming, the elimination of exogenous agents, simpler downstream processing, high cell yield support, global availability and fewer regulatory obstacles.



Cell culture serum-free media Hyclone™

Hyclone's versatile Serum-Free Media (SFM) are developed through the Metabolic Pathway Design™ approach to support superior performance in multiple cell culture platforms. This development process produces serum-free media targeted to increasing process yields for each respective cell platform. Applications include hybridoma, NSO, insect, HEK 293, MDCK, MDBK, and Vero cell cultures. Hyclone HyCell CHO medium is a versatile, chemically-defined medium containing no animal derived components.

CHO Cell Culture Platform				
Cat. No	Alt. No	Description	Quantity	Pack qty
10133012	SH30516.01	Hyclone SFM4CHO™-Utility with L-Glutamine and Sodium Bicarbonate, without Phenol Red	500mL	1
10403912	SH30516.02	Hyclone SFM4CHO™-Utility with L-Glutamine and Sodium Bicarbonate, without Phenol Red	1L	1
Hybridoma and Myeloma Cell Culture Platform				
Cat. No	Alt. No	Description	Quantity	Pack qty
10788134	SH30349.01	Hyclone ADCF-MAb™ with L-Glutamine and Sodium Bicarbonate, without Phenol Red	500mL	1
10397042	SH30349.02	Hyclone CDM4MAb™ with 6mM L-Glutamine	1L	1
10054523	SH30802.01	Hyclone CDM4MAb™ without L-Glutamine	500mL	1
10771484	SH30802.02	Hyclone CDM4MAb™ without L-Glutamine	1L	1
HEK 293 Cell Culture Platform				
Cat. No	Alt. No	Description	Quantity	Pack qty
10061502	SH30521.01	Hyclone SFM4HEK293™ with L-Glutamine and Sodium Bicarbonate, without Phenol Red	500mL	1
10500283	SH30521.02	Hyclone SFM4HEK293™ with L-Glutamine and Sodium Bicarbonate, without Phenol Red	1L	1
10649783	SH30860.01	Hyclone SFM4Transx-293 without L-Glutamine	500mL	1
11536341	SH30860.02	Hyclone SFM4Transx-293 without L-Glutamine	1L	1
Viral Vaccine Cell Culture Platform				
Cat. No	Alt. No	Description	Quantity	Pack qty
10284732	SH30552.01	Hyclone SFM4MegaVir™ with Phenol Red and Sodium Bicarbonate, without L-Glutamine	500mL	1
10396562	SH30552.02	Hyclone SFM4MegaVir™ with Phenol Red and Sodium Bicarbonate, without L-Glutamine	1L	1

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Cell culture serum-free, low protein media

Cellgro COMPLETE is a serum-free, low protein (1mg/mL BSA) medium which meets nearly all cell culturists' needs for the production of recombinant proteins, viral vaccines, monoclonal antibodies, and oestrogen-responsive cell systems. Originally formulated to satisfy the needs of RPMI, DMEM, DMEM/F-12 and McCoy's 5A basal media users, it has now been adapted for cell culture protocols using many other types of media as well.

Cat. No	Alt. No	Description	Quantity	Pack qty
15323701	40-101-CV	Cellgro COMPLETE with Glutamine, 1 mg/mL BSA	500mL	6
15333701	40-102-CV	Cellgro COMPLETE with Glutamine, 1 mg/mL BSA, without phenol red	500mL	6

Cellgro FREE is a proprietary serum-free/protein-free growth medium without hormones or growth factors optimised for cultivation of CHO cells as well as many derivatives of this parent line.

Cat. No	Alt. No	Description	Quantity	Pack qty
15343701	40-200-CV	Cellgro FREE™	500mL	6
15323661	25-060-CI	Cellstripper™ non-enzymatic cell dissociation solution	500mL	6

Hybrigro SF Medium is a complete, animal component-free, defined medium specifically developed for serum-free growth and antibody production with a variety of hybridoma cell lines.

Cat. No	Alt. No	Description	Quantity	Pack qty
15363701	40-215-CVR	Hybrigro SF™ with Corning glutagro™ Supplement	500mL	6

Specialised culture media

Lymphocyte Separation Medium (LSM) was originally designed for the *in vitro* isolation of lymphocytes from diluted whole blood. It is a sterile, iso-osmotic polysucrose and diatrizoate solution with low viscosity and a density of 1.077-1.080 g/mL at 20°C.

Cat. No	Alt. No	Description	Quantity	Pack qty
15363661	25-072-CI	Lymphocyte Separation Medium (LSM)	100mL	6
15373661	25-072-CV	Lymphocyte Separation Medium (LSM)	500mL	6

Cat. No	Alt. No	Description	Quantity	Pack qty
15353701	25-072-CI	Corning ADCF CHO-2 Medium	1L	1

Transfectagro reduced-serum medium is designed to maximise the growth of a variety of cell types under reduced-serum conditions, generally allowing for at least a 50% reduction in serum use with minimal adaptation. A chemically defined, reduced-serum formulation, transfectagro also improves transient transfection efficiency in a variety of cell types.

Cat. No	Alt. No	Description	Quantity	Pack qty
15373701	40-300-CVR	Transfectagro™ Reduced-Serum Medium with lower levels of calcium and phenol red, HEPES	500mL	6

Hepatocyte Maintenance Medium is designed for the *in vitro* cultivation and maintenance of hepatocytes for research applications, drug discovery, and studies related to preclinical drug-induced liver injury. This specialized medium is optimised for primary human hepatocytes. It maintains the physiological relationships between hepatic Phase I and II drug metabolism enzymes as well as influx and efflux transporters. It also meets the long-term high-metabolic needs of hepatocytes. Hepatocyte Maintenance Medium is defined, animal-origin free and serum-free.

Cat. No	Alt. No	Description	Quantity	Pack qty
15393701	40-550-CV	Hepatocyte Maintenance Medium	500mL	1

Cell culture supplements allow customisation of growth conditions with enhanced growth and viability

rhAlbumin is a chemically defined recombinant human serum albumin (rhHSA). Having an essential and non-essential fatty acid profile, this is a powerful media supplement that outperforms plasma-derived human serum albumin (pHSA), bovine serum albumin (BSA), and FBS. Some prominent applications for rhAlbumin are as a supplement for CHO cell culture and for the culture of various other cell lines. This product is plant-derived and completely animal-origin free.

Cat. No	Alt. No	Description	Quantity	Pack qty
15323781	62-450-RF	rhAlbumin	1g	6

rhLactoferrin is a recombinant human holo-lactoferrin specifically intended for use as a cell culture supplement. It is a multi-functional protein that is a potent cell growth factor with anti-apoptotic and antimicrobial properties. This product is plant derived and completely animal-origin free.

Cat. No	Alt. No	Description	Quantity	Pack qty
15333781	62-451-RF	rhLactoferrin	1g	6

Glutagro supplement is a stabilised dipeptide form of L-Glutamine which does not degrade in liquid media during storage or incubation, providing superior results in several applications.

Cat. No	Alt. No	Description	Quantity	Pack qty
15313641	62-451-RF	Glutagro supplement, 200mM solution (with 8.5 g/L NaCl)	100mL	1

Trace Elements A provides copper, zinc, iron and selenium. Selenium aids in the detoxification of free radicals as a cofactor for GSH synthetase, while iron, copper, and zinc may be bound by serum protein.

Cat. No	Alt. No	Description	Quantity	Pack qty
15333641	25-021-CI	Trace Elements A 1000x conc	100mL	1

Trace Elements B has the same composition as Cleveland's Trace Elements I.

Cat. No	Alt. No	Description	Quantity	Pack qty
15343641	25-022-CI	Trace Elements B, 1000x conc	100mL	1

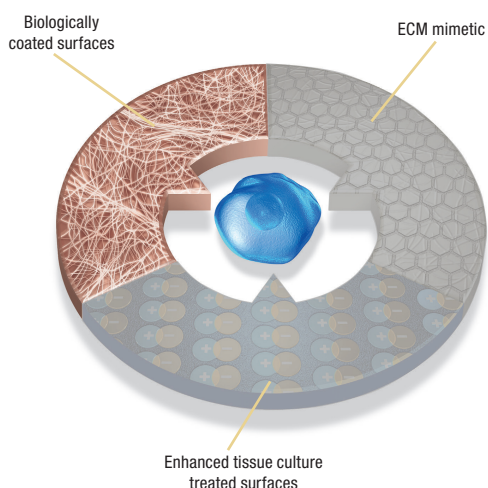
Trace Elements C has the same composition of Cleveland's Trace Elements II.

Cat. No	Alt. No	Description	Quantity	Pack qty
15353641	25-023-CI	Trace Elements C, 1000x conc	100mL	1

Biologically-coated surfaces and extracellular matrices

Corning BioCoat™ surface options are ideal for enhanced cell attachment and growth of a variety of primary cells and transformed cell lines in serum-free or serum-containing cultures. A non-treated surface is also available for suspension or non-adherent cell culture and may also be used to study cell-cell or cell-protein interactions in an in vitro system.

Product	Surface	Tested for the ability to promote ...	Stable for:
BioCoat™ Gelatin	Gelatin, which is commonly used for culture of vascular endothelial cells, embryonic stem cells, and F9 teratocarcinoma cells.	Proliferation of Human Umbilical Vein Endothelial Cells (HUVEC).	> 3 months from date of shipment when stored at 4-30°C under dry conditions.
BioCoat™ Laminin	Laminin, a major component of the basement membrane used as a substrate to culture and maintain differentiated functions of a variety of cells including neuroblastoma cells and breast cancer cell lines.	Initiation of neurite outgrowth of NG-108 rat glioma/mouse neuroblastoma cells.	> 3 months at 2-8°C. Do not freeze.
BioCoat™ Laminin/Fibronectin	Combination of ECMs, which provide superior attachment and growth of glial precursor cells.	Tested for a receptor agonist induced changes in intracellular calcium-using FLUO-3 in primary rat cortical enriched cultures.	> 3 months at 2-8°C. Do not freeze.
BioCoat™ Poly-D-Lysine / Laminin (PDL/Laminin)	Combination of ECMs, which supports neuronal differentiation of human and mouse stem cells.	Neurite outgrowth with primary rat cerebellar granule cells (RCG) and NG-108 rat glioma/mouse neuroblastoma cells.	> 3 months at 2-8°C. Do not freeze.
BioCoat™ Poly-L-Ornithine / Laminin (PLO/Laminin)	Combination of ECMs, which supports growth of neuroblastoma cells and differentiation of N2a and ScN3a cells.	Neurite outgrowth with primary rat cerebellar granule cells and of NG-108 rat glioma/mouse neuroblastoma cells.	> 3 months at 2-8°C. Do not freeze.
BioCoat™ Fibronectin	Human Fibronectin (HFN), which promotes cell attachment through integrin binding. HFN promotes cellular migration during wound healing and improves survival of primary cells.	Attachment and spreading of BHK-1 hamster kidney cells.	> 3 months at 2-8°C. Do not freeze.
BioCoat™ Poly-D-Lysine (PDL)	PDL, which promotes cell attachment of transfected cells and primary cells (e.g., neuronal).	Firm attachment of rat cerebellar granule (RCG) cells.	> 3 months from date of shipment at 4°C.
BioCoat™ Collagen I	Collagen I, derived from rat tail tendon.	Attachment and spreading of HT-1080 human fibrosarcoma cells.	> 3 months from date of shipment at 2-8°C.
BioCoat™ Collagen IV	Collagen IV. Useful as a substrate for nerve, epithelial, endothelial, and muscle cells.	Attachment and spreading of PC12 rat pheochromocytoma cells or to initiate differentiation (neurite outgrowth) of NG-108 rat glioma/mouse neuroblastoma cells.	> 3 months at 2-8°C. Do not freeze.
BioCoat™ Matrigel™ Matrix	Solubilised basement membrane matrix extracted from Engelbreth-Holm-Swarm (EHS) mouse sarcoma. Rich in ECM proteins, especially laminin, collagen IV, heparin sulphate proteoglycans, and entactin.	Neurite outgrowth from chick dorsal root ganglia in the absence of NGF.	Thin Layer Matrigel Matrix Cellware is stable for at least three months at 2-8°C.



CORNING

BioCoat™ Gelatine cellware

BioCoat™ Gelatin Cellware provides an attachment and growth promoting substrate for the culture of a variety of cell types. Gelatin is used commonly in the culture of vascular endothelial cells, muscle, embryonic stem (ES) cells and F9 teratocarcinoma cells. It is also suitable for promoting adhesion of transfected cell types. Gelatin is a heterogeneous mixture of water-soluble proteins derived from the hydrolysis of collagen.

Applications:

- Promotion of cell attachment and spreading of:
 - Vascular endothelial cells, i.e. BME, BAEC
 - Embryonic stem (ES) cells
 - C2C12 myoblasts and MM14 myoblasts
- Culture of normal and transfected F9 teratocarcinoma cells for gene expression studies
- Culture of HUVEC for E-Selectin expression and VEGF induction

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10237430	354652	6 well	5
10420102	356652	6 well	50
10574401	354689	96 well	5
10332942	356689	96 well	50
Culture dishes			
10135860	354653	100mm	10
10574771	356653	100mm	40
Flasks			
10073920	354654	75cm ² , plug-seal cap [†]	5
10125530	354488	75cm ² , vented-cap [†]	5
10072501	356488	75cm ² , vented-cap [†]	50

[†]BioCoat 75cm² flasks are 250mL canted neck.

CORNING

BioCoat™ ECM

Lyophilised from aqueous solution; reconstitute in dH₂O

Cat. No	Alt. No	Description	Quantity
11503550	354210	BioCoat™ Poly-D-Lysine	20mg
11563550	354236	BioCoat™ Collagen I, Rat Tail	100mg
10727531	356236	BioCoat™ Collagen I, Rat Tail	1g (10 x 100mg)
10602322	356233	BioCoat™ Collagen IV, Mouse	10mg (10 x 1mg)

CORNING

BioCoat™ Laminin cellware

Laminin (LM), a major component of basement membranes, is a multifunctional glycoprotein that is used as a substrate to culture and maintain differentiated function of a wide variety of cells. Laminin has been shown in culture to stimulate neurite outgrowth, promote cell attachment, chemotaxis, cell differentiation and neuronal survival.

Applications:

- Promotion of cell attachment and spreading
- Induction of cell differentiation and neurite outgrowth
- Cell adhesion assays
- Increases proliferation of myoblasts
- Studies of effects of laminin on cell behaviour

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10429202	354404	6 well	5
10439202	354502	12 well	5
10010781	354412	24 well	5
10449202	354507	48 well	5
10691732	354410	96 well	5
Culture dishes			
10192651	354458	35mm	20
10448822	354405	60mm	20
10526381	354452	100mm	10
10604042	354553	150mm	5
Flasks			
10719241	354533	25cm ² , plug-seal cap [†]	10
10536381	354522	75cm ² , plug-seal cap [†]	10

[†]BioCoat 25cm² flasks are 70mL canted neck; BioCoat 75cm² flasks are 250mL canted neck.

CORNING

Laminin (LM), a major component of basement membranes, is a multifunctional glycoprotein that is used as a substrate to culture and maintain differentiated function of a wide variety of cells. Laminin has been shown in culture to stimulate neurite outgrowth, promote cell attachment, chemotaxis, cell differentiation and neuronal survival.

BioCoat™ PDL/LM and PLO/LM Cellware is suitable for culturing many different types of Peripheral Nervous System (PNS) and Central Nervous System (CNS) networks and is useful for promoting neural cell attachment and differentiation.

BioCoat™ LM/HFN Cellware provides an in vitro environment that promotes cell attachment and extensive process formation.

Applications:

- Enhancement of neuronal cell attachment to plastic and glass
- Promotion of neurite outgrowth
- Culture of glial cells as a feeder layer for neurons
- Construction of neural cell model systems to study CNS function, development and diseases

BioCoat™ Poly-D-Lysine/Laminin cellware

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10594841	354595	6 well	5
10632892	354619	24 well	5
10020841	354596	96 well	5
Culture dishes			
10152321	354455	100mm	10
Coverslips			
10468681	354087	12mm round No.1 German glass	80
Flasks			
10669462	354687	2 well	12
10629842	354688	8 well	12

BioCoat™ Poly-L-Ornithine/Laminin cellware

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10525041	354658	6 well	5
10264611	354659	24 well	5
10408832	354657	96 well	5

CORNING

BioCoat™ Fibronectin cellware

Human Fibronectin (HFN) is a widely distributed glycoprotein that is used as a substrate to promote attachment of cells through its central-binding domain RGD sequence. HFN is a product of most mesenchymal and epithelial cells and is present in both the ECM and plasma. The principal function of HFN appears to be in cellular migration during wound healing and development, regulation of cell growth and differentiation and haemostasis/thrombosis.

Applications:

- Promotion of cell attachment and spreading
- Rapid expansion of cell populations
- Serum-free or reduced serum culture
- Cell adhesion assays
- Studies of effects of HFN on cell behaviour
- Improving survival of primary cells in culture

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10030781	354402	6 well	5
10458642	354501	12 well	5
10684242	354411	24 well	5
10040781	354506	48 well	5
10738692	354409	96 well	5
Culture dishes			
10214091	354457	35mm	20
10080741	354403	60mm	20
10747351	354451	100mm	10
10152801	354552	150mm	5
Flasks			
10162801	354532	25cm ² , plug-seal cap [†]	10
10224811	354521	75cm ² , plug-seal cap [†]	10
10516001	354646	150cm ² , plug-seal cap	5
10192761	354526	175cm ² , plug-seal cap	5
Coverslips			
10543322	354088	22mm round No.1 German glass	60
Culture slides			
10153811	354558	1 well	12
10663652	354628	2 well	12
10163811	354559	4 well	12
10478632	354631	8 well	12

[†]BioCoat 25cm² flasks are 70mL canted neck; BioCoat 75cm² flasks are 250mL canted neck.



BioCoat™ Laminin/Fibronectin cellware

Cat. No	Alt. No	Description	Pack qty
Assay plates			
10040801	354670	96 well	5

BioCoat™ Poly-D-Lysine and Poly-L-Lysine cellware

Poly-D-Lysine (PDL) and Poly-L-Lysine (PLL) are synthetic compounds that enhance cell adhesion and protein absorption by altering surface charges on the culture substrate. In addition to promoting cell adhesion, Poly-Lysine surface treatments support neurite outgrowth and improve the survival of many central nervous system (CNS) primary cells in culture. As PDL and PLL are synthetic molecules, they do not stimulate biological activity in the cells cultured on them, and they do not introduce impurities carried by natural polymers.

Applications:

- Attachment and spreading of a variety of cell types
- Cell differentiation and neurite outgrowth
- Attachment of fastidious transfected cell lines
- Support survival of primary neurons in culture
- Serum-free or reduced serum culture

BioCoat™ Poly-D-Lysine cellware

Description	Pack qty	Cat. No.	Alt. No	Pack qty	Cat. No.	Alt. No	Pack qty	Cat. No.	Alt. No
Multiwell and assay plates									
6 well	5	10607271	354413	50	10674242	356413	-	-	-
12 well	5	10533051	354470	50	10672502	356470	-	-	-
24 well	5	10411321	354414	50	10554461	356414	-	-	-
48 well	5	10246201	354509	50	10103721	356509	-	-	-
96 well clear	5	10431701	354461	50	10182141	356461	80	10224392	356690
96 well black/clear	5	10043830	354640	50	10140403	356640	80	10254342	356692
96 well white/clear	5	10379320	354651	50	10202753	356651	80	10192822	356693
96 well white	5	10657071	354620	50	10515631	356620	80	10090712	356691
384 well clear	5	10145860	354662	50	10385911	356662	80	10613683	356695
384 well black/clear	5	10093860	354663	50	10345961	356663	80	10576293	356697
384 well black/clear small volume	5	10736503	354396	50	10262323	356396	-	-	-
384 well white/clear	5	10166000	354660	50	10488842	356660	80	10725203	356694
384 well white	5	10627841	354661	50	10274561	356661	80	10747894	356696
1536 well black/clear	5	11947211	354022	50	13416829	356022	-	-	-

BioCoat™ Poly-D-Lysine cellware

Cat. No	Alt. No	Description	Pack qty
Culture dishes			
10399320	354467	35mm	20
10478822	356467	35mm	100
10003860	354468	60mm	20
10204281	356468	60mm	100
10145290	354469	100mm	10
10632122	356469	100mm	40
10307432	354550	150mm	5
Flasks			
10492271	354479	25cm ² , plug-seal cap [†]	10
10777161	356479	25cm ² , plug-seal cap [†]	50
10711371	354536	25cm ² , vented-cap [†]	10
10397941	356536	25cm ² , vented-cap [†]	50
10656111	354524	75cm ² , plug-seal cap [†]	5
10666111	356524	75cm ² , plug-seal cap [†]	50
10796672	354537	75cm ² , vented-cap [†]	5
10606691	356537	75cm ² , vented-cap [†]	50
10297280	354495	150cm ² , plug-seal cap	5
10400102	356495	150cm ² , plug-seal cap	40
10616691	354538	150cm ² , vented-cap	5
10192841	356538	150cm ² , vented-cap	40
10626691	354539	175cm ² , plug-seal cap	5
10410102	356539	175cm ² , plug-seal cap	40
Coverslips			
10727911	354086	12mm round No.1 German glass	80
10377032	354077	35mm Coverslip-bottom dishes	20
Culture slides			
10042551	354566	1 well	12
10779461	354629	2 well	12
10052551	354577	4 well	12
10254421	354632	8 well	12

BioCoat™ Poly-L-Lysine cellware

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10420171	354515	6 well	5
10594651	356515	6 well	50
10553061	354516	96 well clear	5
10459602	356516	96 well clear	50
Culture dishes			
10479392	354518	35mm	20
10142861	356518	35mm	100
10489392	354517	60mm	20
10306111	356517	60mm	100



CORNING

BioCoat™ Collagen I cellware

Collagen I, found in most tissues and organs, is most plentiful in dermis, tendon and bone. It is an integral part of the framework that holds cells and tissues together and has been recognised as a useful matrix for improving cell culture. *In vitro* use of collagen can exert effects on the adherence, morphology, growth, migration and differentiation of a variety of cell types.

Applications:

- Promotion of cell attachment and spreading
- Rapid expansion of cell populations
- Serum-free or reduced serum culture
- Cell adhesion assays
- Improving survival of primary cells in culture

Description	Pack qty	Cat. No.	Alt. No	Pack qty	Cat. No.	Alt. No	Pack qty	Cat. No.	Alt. No
Multiwell and assay plates									
6 well	5	10512121	354400	50	10418662	356400	-	-	-
12 well	5	10033760	354500	50	10412311	356500	-	-	-
24 well	5	10278180	354408	50	10152191	356408	-	-	-
48 well	5	10287620	354505	50	10789631	356505	-	-	-
96 well clear	5	10003920	354407	50	10469602	356407	80	10511383	356698
96 well black/clear	5	10033830	354649	50	10796193	356649	80	10673293	356700
96 well white/clear	5	10591721	354650	50	10473093	356650	80	10748084	356701
96 well white	5	10237190	354519	50	10506961	356519	80	10366272	356699
384 well clear	5	10678221	354666	50	10336011	356666	80	10467482	356704
384 well black/clear	5	10195330	354667	50	10643082	356667	80	10393463	356705
384 well black/clear small volume	5	10681084	354397	50	10486263	356397	-	-	-
384 well white/clear	5	10185330	354664	50	10182461	356664	80	10404923	356702
384 well white	5	10267620	354665	50	10707341	356665	80	10120213	356703

CORNING

BioCoat™ Collagen IV cellware

Type IV Collagen is a ubiquitous component in basement membranes and provides the major structural support for this matrix. When the Collagen IV meshwork is assembled, it provides a scaffold for the assembly of other basement membrane components through interactions with laminin, entactin/nidogen and heparan sulfate proteoglycan.

Collagen IV is useful as a substrate for growth of epithelial, endothelial, muscle and nerve cells. Collagen plays a role in the regulation of cell growth, differentiation and adhesion, as well as tissue formation.

Applications:

- Promotion of cell attachment and spreading
- Rapid expansion of cell populations
- Serum-free or reduced serum culture
- Cell adhesion assays
- Improving survival of primary cells in culture

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10469412	354428	6 well	5
10595801	354430	24 well	5
10633672	354429	96 well	5
Culture dishes			
10479392	354459	35mm	20
10142861	354416	60mm	20
10489392	354453	100mm	10
10306111	354554	150mm	5
Flasks			
10102711	354534	25cm ² , plug-seal cap ¹	10
10070741	354523	75cm ² , plug-seal cap ¹	10
10346741	354528	175cm ² , plug-seal cap	5

¹BioCoat 25cm² flasks are 70mL canted neck; BioCoat 75cm² flasks are 250mL canted neck.

CORNING

BioCoat™ control cell culture inserts

BioCoat™ Control Cell Culture Inserts are Corning Falcon™ Cell Culture Inserts, without ECM, packaged ready-to-use in Corning Falcon™ Cell Culture Insert Companion Plates. They may be used as control inserts alongside ECM-treated inserts while studying effects of the ECM component present on the Corning BioCoat™ Cell Culture Inserts.

Cat. No	Alt. No	Description	Pack qty
10393032	354570	BioCoat™ 0.4mm inserts in four 6 well plates	24
10303042	354572	BioCoat™ 0.4mm inserts in two 24 well plates	24
10109361	354567	BioCoat™ 1.0mm Inserts in four 6 well plates	24
10406421	354569	BioCoat™ 1.0mm inserts in two 24 Well Plates	24
10047911	354573	BioCoat™ 3.0mm inserts in four 6 Well Plates	24
10057911	354575	BioCoat™ 3.0mm inserts in two 24 well plates	24
10574271	354576	BioCoat™ 8.0mm inserts in four 6 well plates	24
10274901	354578	BioCoat™ 8.0 mm inserts in two 24 well plates	24

BioCoat™ cell culture inserts

The track-etched polyethylene terephthalate (PET) membranes used in BioCoat™ Cell Culture Inserts have individual cylindrical pores in a broad range of sizes including 0.4µm, 1.0µm, 3.0µm, and 8.0µm.

■ BioCoat Collagen I
 ■ BioCoat Collagen IV
 ■ BioCoat Fibronectin

Applications:

- Promotion of epithelial cell polarity
- Differentiation of a variety of cell types
- Transport and permeability studies
- Transendothelial migration
- Tumour cell invasion assays
- Chemotaxis and haptotaxis assays
- In vitro* toxicology
- Co-culture studies

Cat. No	Alt. No	Description	Pack qty
10366151	354442	0.4mm inserts in four 6 well plates	24
10295091	354444	0.4mm inserts in two 24 well plates	24
10376151	354580	1.0mm inserts in four 6 well plates	24
10488262	354482	1.0mm inserts in two 24 well plates	24
10122851	354540	3.0mm Inserts in four 6 well plates	24
10526001	354541	3.0mm inserts in two 24 well plates	24
10081051	354591	1.0mm inserts in two 24 well plates	24
10050791	354544	3.0mm inserts in four 6 well plates	24
10306351	354545	3.0mm inserts in two 24 well plates	24
10468452	354472	BioCoat™ Fibrillar Collagen 1.0mm inserts in four 6 well plates	24
10192141	354474	BioCoat™ Fibrillar Collagen 1.0mm inserts in two 24 well plates	24
10133861	354598	BioCoat™ 3.0mm insert plate with 24 well plate and lid	1
10590442	354597	BioCoat™ FluoroBlok™ 3.0mm inserts in two 24 well plates	24
10694242	354440	0.4mm inserts in four 6 well plates	24
10506001	354445	0.4mm inserts in two 24 well plates	24
10614042	354543	3.0mm inserts in two 24 well plates	24

BioCoat™ Matrigel™ Invasion Chambers

Corning BioCoat™ Matrigel™ Invasion Chambers are useful for the study of cell invasion of malignant and normal cells. The Growth Factor Reduced (GFR) Matrigel™ Invasion Chambers can be used to study the mechanisms of invasion and to identify factors that interfere with this process in an *in vitro* environment. The Invasion Chambers consist of a Corning Falcon™ Cell Culture Insert with an 8µm pore size PET membrane, uniformly coated with Corning Matrigel™ Matrix, packaged ready-to-use in 24 well formats.

Applications:

- Assessment of the metastatic potential of tumour cells inhibition of metastasis by extracellular matrix components or antineoplastic drugs
- Altered expression of proteins in metastatic cells
- Invasion of normal cells, such as neutrophils, eosinophils, endothelial cells
- Study neutrophil transmigration through the basement membrane

Multiwell plates			
Cat. No	Alt. No	Description	Pack qty
11563570	354481	Invasion Chambers, 8.0mm inserts with four 6 well plates	24
11553570	354480	Invasion Chambers, 8.0mm inserts in two 24 well plates	24
11573570	354483	GFR Invasion Chambers, 8.0mm inserts in two 24 well plates	24
10488681	354165	Tumour Invasion Systems one insert plate with one 24 well plate and lid	1
10007891	354166	Tumour Invasion Systems five insert plates with five 24 well plates and lids	5
10777664	354167	Tumour Invasion Systems one insert plate with one 96 well plate and lid	1
10318372	354168	Tumour Invasion Systems five insert plates with five 96 well plates and lids	5

BioCoat™ Matrigel™

Matrigel™ Basement Membrane Matrix is a solubilised basement membrane preparation extracted from the Engelbreth-Holm-Swarm (EHS) mouse sarcoma, a tumour rich in ECM proteins. Its major component is laminin, followed by collagen IV, heparan sulfate proteoglycans, entactin and nidogen.

Matrigel Matrix is effective for the attachment and differentiation of both normal and transformed anchorage-dependent epithelial and other cell types including neurons and oligodendrocytes.

Applications:

- Elicitation of tissue-specific cellular morphology and protein production in epithelial cells
- Differentiation of endothelial, muscle and neuronal cells
- Development of three-dimensional matrix model systems

BioCoat™ Matrigel™ matrix cellware

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10717341	354432	6 well	2
10203901	354503	12 well	2
10346011	354433	24 well	2
10142561	354508	48 well	2
Culture dishes			
10479392	354460	35mm	8
ES Culture plates			
10489392	354671	6 well	5

BioCoat™ Matrigel™ matrix cellware — thin layer

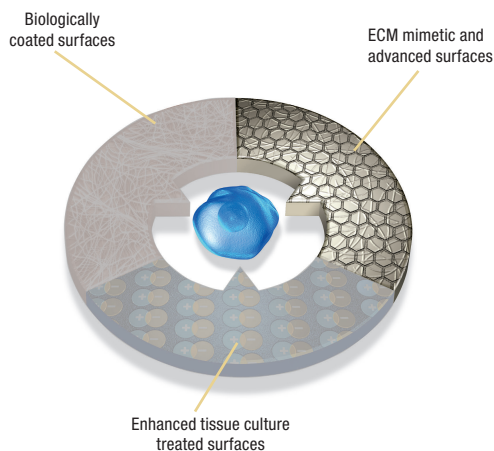
Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10556011	354603	6 well	5
10546011	354605	24 well	5
10709641	354607	96 well	5
Culture dishes			
10799631	354602	35mm	20
10786002	354601	60mm	20
10253991	354600	100mm	10

BioCoat™ Matrigel™ matrix cellware for hepatocytes

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10020901	354510	6 well	5
Culture dishes			
10090881	354634	100mm	5

BioCoat™ GFR Matrigel™ matrix cellware for smooth muscle cells

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10499392	354635	24 well	5



BioCoat™ Angiogenesis System: Endothelial Cell Tube Formation

An *in-vitro* assay system composed of a Corning 96 well black plate with clear bottom uniformly coated with Corning Matrigel™ Matrix. To ensure reproducibility when using this assay system, different preparations of Corning Matrigel Matrix are screened for the ability to promote optimal tube formation under standardised conditions. Assay performance is further enhanced by the inclusion of our specially treated 96 well microplate, which has specific surface properties that assure even coating and minimise meniscus formation.

Cat. No	Alt. No	Description	Pack qty
10737894	354149	BioCoat™ Optilux microplate, 96 well, black/clear bottom	1
10244152	354150	BioCoat™ Optilux microplate, 96 well, black/clear bottom	5

CORNING

Specific BioCoat™ Cultureware

BioCoat™ Osteologic™ Bone Cell Culture System

Historically, biologically-derived hard tissues such as de-vitalised bone, dentine or ivory slices are used as culture substrates for *in vitro* assays. However, preparation and handling of these matrices is often expensive and time consuming. Ceramic biomaterial substrates are now being considered as an alternative to biologically derived substrates.

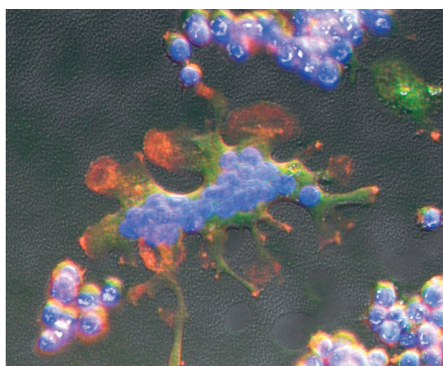
BioCoat™ Osteologic™ Bone Cell Culture System consists of sub-micron synthetic calcium phosphate thin films coated onto various culture vessels. The thin film design permits easy and reliable quantification of results.

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10717341	354608	16 well	2
10203901	354609	16 well	8
Discs			
10067921	354610	12.7mm discs in a 24 well plate	24
Coverslips			
10753913	354611	12mm round	5

Osteo-assay surface cultureware

- Bone biomimetic synthetic surface
- Inorganic, non-biological
- Compatible with osteoblast and osteoclast differentiation and functional studies
- Co-culture of osteoclast and osteoblast with other cell lines
- Flat bottoms
- Nonreversible lids with condensation rings to reduce contamination
- Individual alphanumeric codes for well identification
- Individually wrapped
- Sterilised by gamma irradiation

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
11357791	3987	24 well, individually wrapped, sterile	4
11377791	3988	96 well, individually wrapped, sterile	4
11397791	3989	1 x 8 Stripwell™ microplate, 12 strips per holder with lid, sterile	2



BioCoat™ Angiogenesis System: Endothelial Cell Migration

The Corning BioCoat™ Angiogenesis System for Endothelial Cell Migration is composed of a Corning 24 or 96-Multiwell Insert Plate (and a non-TC treated 24 or 96-well receiver plate and lid) containing a Corning FluoroBlok™ fluorescence-blocking microporous polyethylene terephthalate (PET) membrane (3.0µm pore size) evenly coated with human fibronectin. An optimised coating process is used to ensure that the pores of the membrane are not occluded. Therefore, endothelial cells attach to the coated membrane and freely migrate through the pores towards an appropriate chemoattractant in the lower chamber of the plate.

Applications:

- Assessment of the metastatic potential of tumour cells inhibition of metastasis by extracellular matrix components or antineoplastic drugs
- Altered expression of proteins in metastatic cells
- Invasion of normal cells, such as neutrophils, eosinophils, endothelial cells
- Study neutrophil transmigration through the basement membrane

Cat. No	Alt. No	Description	Pack qty
Assay plates			
10067911	354143	BioCoat™ Ang ECM 24 well plate with lid	1
10678892	354144	BioCoat™ Ang ECM 24 well Insert plates with five plates and lids	5
10778124	354147	BioCoat™ Ang ECM 96 well insert plate with lid	1
10396602	354148	BioCoat™ Ang ECM 96 well insert plates with five plates and lids	5
10290862	354141	BioCoat™ Ang ECM insert plate, 24 well plate and lid	1
11543540	354142	BioCoat™ Ang ECM insert plate, 24 well with five 24 well plates and lids	5

BioCoat™ Endothelial Cell Growth Environment, kit

Corning BioCoat™ Endothelial Cell Growth Environment is an integrated system designed to create *in vitro* intestinal models. The system comprises low serum medium, culture supplements, growth factors, and Corning BioCoat Collagen I Cultureware in one convenient kit.

Cat. No	Alt. No	Description	Pack qty
10365771	355053	BioCoat™ Endothelial cell growth environment, kit	1

BioCoat™ T-Cell activation

Applications:

- T-Cell activation
- Cytokine production
- Cytokine mRNA quantitation
- Co-stimulation
- Studies of drug effects on T-cell function

Cat. No	Alt. No	Description	Pack qty
Assay plates			
10794293	354720	Mouse Anti-CD3 96 well clear	5
10502942	354725	Human Anti-CD3 96 well clear	5
10704303	354730	Uncoated control	5

Other BioCoat™ products

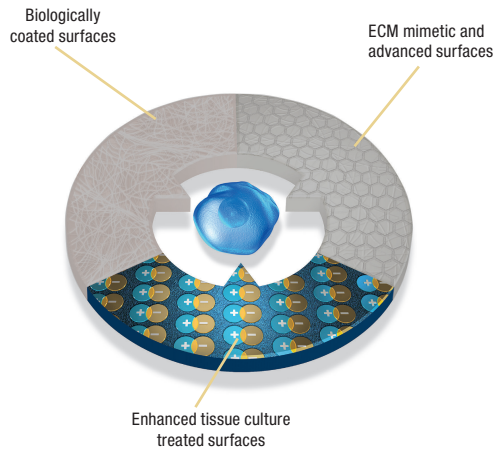
BioCoat™ HTS Caco-2 assay system

By combining the benefits of the Corning BioCoat™ Intestinal Epithelial Environment with the automation-friendly Corning Falcon™ 24 multiwell insert system, the Corning BioCoat™ HTS Caco-2 assay system is an integrated, robotics-compatible cell environment designed to promote the rapid differentiation of Caco-2 cells *in vitro*. The specialised media included with the Corning BioCoat™ HTS Caco-2 assay system have been formulated to produce differentiated monolayers in just three days. Each system contains a fibrillar collagen-coated 24 multiwell insert plate suitable for robotic screening of prospective pharmaceuticals for oral bioavailability and absorption.

Applications:

- Promotes the rapid differentiation of Caco-2 cells *in vitro* - saving both time and labour
- Permits testing for intestinal permeability, including bioavailability, with Caco-2 cells in three days instead of three weeks

Cat. No	Alt. No	Description	Pack qty
11513590	354801	BioCoat™ HTS Caco-2 assay System	1
10631932	354802	BioCoat™ HTS Caco-2 assay system	5
10603482	354803	BioCoat™ Fibrillar Collagen 24 multiwell insert system	1
10596951	354804	BioCoat™ Fibrillar Collagen 24 multiwell insert system	5



Primaria™ cellware

Supports neuronal cells, primary cells, endothelial, and tumour cells which may have difficulty attaching to or differentiate poorly on traditional TC surfaces. This surface has a unique mixture of negative, positive, and nitrogen containing functional groups on the polystyrene surface. The surface consistency of each lot is confirmed by electron spectroscopy chemical analysis (ESCA).

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10196990	353846	6 well	50
10288830	353847	24 well	50
10441571	353872	96 well	50
Culture dishes			
10596542	353801	35mm	200
10506552	353802	60mm	200
10741392	353803	100mm	200
Flasks			
10613672	353808	25cm ² canted-neck, vented cap	100
10556932	353813	75cm ² canted-neck, plug-seal cap	200
10469222	353810	75cm ² straight-neck, vented cap	100
10196070	353824	75cm ² straight-neck, plug-seal cap	100

BioCoat™ variety pack cellware

BioCoat™ Variety Packs each contain 6 well multiwell plates or culture slides with a selection of different extracellular matrix proteins and attachment factors.

Applications:

- Determination of optimal substrate for growth or differentiation of particular cell types
- Studies of effects of various ECM components on cell behaviour
- Cell adhesion assays

Multiwell plates			
Cat. No	Alt. No	Description	Pack qty
10586571	354417	6 well includes: Collagen I, Fibronectin, Laminin, Poly-D-Lysine plates	5
10335631	354431	6 well includes: Collagen I, Collagen IV, Fibronectin, Laminin and Poly-D-Lysine plates	5
Culture slides			
10498842	354656	8 well includes: Collagen I, Fibronectin, Poly-D-Lysine culture slides	12

Corning CellBIND™ surface cultureware

Optimal growth – Corning CellBIND™ surface-treated gas permeable polystyrene for superior cell attachment and growth

Increase cell yield – ten-fold higher cell yield increases productivity and capacity

Time and space savings – reduce processing time and incubator storage space by handling one flask compared to 10 traditional 175cm² flasks

Two extra caps (single, double bagged) per case now included.

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10234832	3335	6 well plate, clear, sterile, with lid	50
10739864	3336	12 well plate, clear, sterile, with lid	50
10224882	3337	24 well plate, clear, sterile, with lid	50
10251443	3338	48 well plate, clear, sterile, with lid	50
10510733	3300	96 well plate, clear bottom, sterile, with lid	50
Flasks and hyperflasks			
10194302	3289	25cm ² with vented cap, sterile	200
10327342	3290	75cm ² with vented cap, sterile	100
10787994	3291	150cm ² with vented cap, sterile	50
10664553	3292	175cm ² with vented cap, sterile	50
10103642	3293	225cm ² with vented cap, sterile	25
10031352	3298	175cm ² with phenolic cap, sterile	50
10222613	10024	HYPERFlask™, treated, sterile, bar coded, double bagged	24
10281845	10030	HYPERFlask™ M, treated, sterile, bar coded, individually wrapped	4
10343305	10020	HYPERFlask™ M, treated, sterile, bar coded, double bagged	4
10569765	10034	HYPERFlask™ M, treated, sterile, bar coded, double bagged	24
Culture dishes			
10757804	3294	35mm	210
10665893	3295	60mm	126
10581873	3296	100mm	40

PureCoat™

- Improves performance

Surface technology enhances attachment, proliferation, and recovery post-thaw for a variety of cells with poor attachment properties – mainly primary cells, transfected cells, and fastidious cell lines in standard, serum-free or serum-reduced conditions

- Increases confidence

Both surfaces are highly consistent from lot-to-lot. They are quality control tested using an appropriate cell line

- Delivers versatility

Surface chemistries are available on a variety of cultureware formats for preparative cell culture and drug discovery assays

- Saves time

- An alternative to variable and time-consuming self-coating procedures

PureCoat™ Amine Cultureware

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
11533580	354721	6 well	5
11583630	356721	6 well	50
11543580	354723	24 well	5
11593630	356723	24 well	50
Culture dishes			
11553580	354732	100mm	10
11503640	356732	100mm	40
Flasks			
13456839	354726	75cm ² canted-neck, vented cap	5
11937151	356726	75cm ² canted-neck, vented cap	50
13446839	354728	175cm ² straight-neck, vented cap	5
11957151	356728	175cm ² straight-neck, vented cap	40

PureCoat™ Carboxyl Cultureware

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
11583580	354773	6 well	5
11533640	356773	6 well	50
11593580	354775	24 well	5
11543640	356775	24 well	50
Culture dishes			
11503590	354784	100mm	10
11553640	356784	100mm	40
Flasks			
13456839	354778	75cm ² canted-neck, vented cap	5
11937151	356778	75cm ² canted-neck, vented cap	50
13446839	354780	175cm ² straight-neck, vented cap	5
11957151	356780	175cm ² straight-neck, vented cap	40

Cells cultured successfully on PureCoat™ surfaces:

		Amine (+)	Carboxyl (-)
Primary neuronal cells	Rat brain cortex	■	
	Rat cerebellar granule (RCG)	■	
Primary cells	Human epidermal keratinocytes (neonatal)*		■
	Human placental epithelial*	■	
	Primary cervical epithelial*	■	
	Rat astrocytes	■	
	Rat and mouse* cardiomyocytes		■
	Rat epidermal keratinocytes		■
Stem cells	Rat primary pancreatic islet*	■	
	Embryonic mouse brain stem cell*	■	
	Human adipose-derived stem cells	■ †	■ ††
	Human bone marrow-derived Mesenchymal stem cells	■ †	■ ††
	Rat bone marrow-derived Mesenchymal stem cells*	■ ††	■
	Rat E14d cortex derived neural stem cells*	■	
Transfected cells	293T*	■	
	EcoPack™2-293*	■	■
	Flip-In™ T-REX™ 293*	■	
	hERG-T-REX™ 293 division arrested	■	
	Living Colors™ HEK-Zs green proteasome sensor	■	■
Cell lines	Baby hamster kidney (BHK-21)	■	
	CHO	■	■
	HEK-293	■	■
	HeLa*		■
	HepG2	■	■
	HT-1080		■
	LnCAP		■
	MRC-5		■
	N2A*	■	
PC12	■	■	

*Cells successfully cultured by customers on BD PureCoat surfaces

Both surfaces are recommended for growth attachment for cells listed, unless specified.

†Recommended for growth, attachment and differentiation.

††Recommended for differentiation only.

Ultra-low attachment, PureCoat™ amine cultureware

Ultra-low attachment microplates feature a covalently bound hydrogel layer that effectively inhibits cellular attachment.

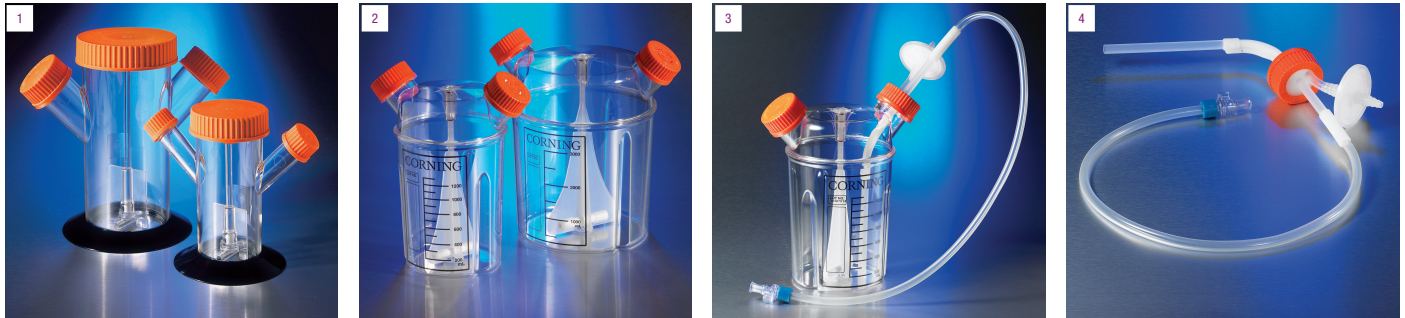
- Surface minimises protein absorption, enzyme activation and cellular activation
- Surface is noncytotoxic, biologically inert and nondegradable
- Sterilised by gamma irradiation
- Black wall microplates have low background fluorescence, minimal light scatter and reduced crosstalk
- Opaque walls to prevent well-to-well crosstalk
- Can be used for both top and bottom reading instruments
- Novel well geometry aids formation of spheroids in centre of well
- Optically clear round bottom with black opaque microplate body

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
15329740	4515	96 well clear black round bottom, with lid, sterile	5
15308151	4520	96 well clear black round bottom, with lid, sterile	50
15354077	4516	384 well clear black round bottom, with lid, sterile	5
15367850	3830	384 well clear black round bottom, with lid, sterile	50
Flasks			
10710114	3815	25cm ² with vented cap	24
10491623	3814	75cm ² with vented cap	24
Culture dishes			
10010582	3261	60mm	20
10000762	3262	100mm	20

Corning disposable spinner flasks

The Corning disposable spinner flask system comes ready-to-use with paddle and integrated magnet, eliminating the need for time-consuming assembly or cleaning and reassembly. Moulded from virgin polystyrene and gamma-irradiated, each spinner flask system assures a clean and sterile unit that is nonpyrogenic. No more concerns with detergent residues or contamination. Extended paddle design ensures constant top-to-bottom motion of the liquid without having to adjust the height of the paddle.

- Bottom contours on the paddle hug the shape of the flask, eliminating dead spots
- Two wide neck openings for easy pouring; easily accept a 100mL pipette
- Vertical side baffles break up laminar flow - ensures better mixing and maximises cell production
- Each system is supplied individually double bagged
- Sterilised by gamma irradiation; have the highest Sterility Assurance Level (SAL) of 10⁻⁶ and meets USP XXIV:71 Bacteriostasis, Fungistasis and sterility standards
- Single use only. Flasks cannot be autoclaved or resterilised with alcohol. Any attempt to do so will result in degradation of the materials.



Cat. No	Alt. No	Description	Volume	Cap Material	Pack qty
10067312	1	3152 With 70mm top cap and two angled sidearms	125mL	Screw cap	12
10586053		3153 With 70mm top cap and two angled sidearms	500mL	Screw cap	12
10452425	2	3561 With two angled sidearms	1L	Screw cap	6
10337203		3563 With two angled sidearms	3L	Screw cap	4
15232229	3	3546 With two angled sidearms with one aseptic connector assembled to one side arm	1L	Screw cap	6
15282229		3559 With two angled sidearms with one aseptic connector assembled to one side arm	3L	Screw cap	4
11309474		3580 With two angled sidearms with vent cap	1L	Vent cap	6
11319474		3581 With two angled sidearms with vent cap	3L	Vent cap	4
15155884	4	3528 Disposable GL45 aseptic transfer cap for 500mL disposable spinner flask	-	-	2

Thermo SCIENTIFIC

Thermo Scientific™ UpCell cultureware

UpCell Surface is designed to respond to changes in temperature. It releases adherent cells by a simple reduction of the temperature of the cell culture. Products with UpCell Surface include Thermo Scientific Nunc microwell plates, multidishes and dishes.

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
10542204	174901	6 well	6
10288143	174900	12 well	6
10532204	174899	24 well	6
10616234	174898	48 well	6
10609114	174897	96 microwell plate with flat bottom	8
Culture dishes			
10463665	174904	35mm	30
10592954	174903	60mm	30
10398963	174906	60mm with grid	30
10073833	174902	100mm	6
10165613	174905	100mm with grid	6

Thermo SCIENTIFIC

Thermo Scientific™ Nunclon Sphera cultureware

Allows cells to grow in suspension with virtually no cell attachment. The new surface supports many different cell types and their ability to generate spheroids; studies show that over time the spheroids grow in volume, indicating that the new surface enables consistent, repeatable cell growth.

Cat. No	Alt. No	Description	Pack qty
Multiwell and assay plates			
15277905	174932	6 well	7
15267905	174931	12 well	7
15257905	174930	24 well	7
15396123	174929	Microwell 96U well plate, round bottom bulk pack	50
15227905	174925	Microwell 96U well plate, round bottom, well volume 300µL	8
15237905	174927	Microwell 96F well plate, flat bottom, well volume 400µL	8
Culture dishes			
15287905	174943	35mm	20
15297905	174944	60mm	20
15207915	174945	90mm	20
Flasks			
15217915	174951	25cm ²	18
15227915	174952	75cm ²	24

Cultureware for imaging

The microscope is essential when wanting to study cells and understand the function of cells. To make life easier for the scientist, numerous cell culture products with optical surfaces have been created as an alternative to using or transferring specimens onto microscope slides.

Thermo
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Thermo Scientific™ Nunc cell culture imaging products

The Nunc glass bottom dish combines the convenience of a standard 35mm cell culture dish with the imaging benefits of coverglass to provide the optimum optical characteristics required for high-magnification microscopy and confocal image analysis.

Thermo Scientific Nunc 96 and 384 well optical bottom plates are ideal for microscopic applications. Black microplates are recommended for fluorescence measurements, with minimum back-scattered light and background fluorescence. White plates are best for luminescence measurements, with maximum reflection and minimal autoluminescence. PS microplates are provided with a lid.

- Thermo Scientific™ Nunc™ Lab-Tek™ chamber slides feature removable chambers that allow you to seed, incubate, fix and stain on a single microscope slide
- Thermo Scientific™ Nunc™ Lab-Tek™ Permax™ Chamber Slides: ThermoScientific™ Nunclon™ Delta treated surface allows attachment of adherent cells and a consistent surface for growth from chamber slide to cell factory
- Lab-Tek II CC2 glass chamber slides: chemically modified glass provides a growth surface with a positive charge that mimics Poly-D-Lysine and aids in the attachment of fastidious cells

Cat. No	Alt. No	Description	Treatment	Colour	Pack qty
Multiwell plates					
10281092	165305	96F well	TC-treated	Black	30
10158721	165306	96F well	TC-treated	White	30
10184221	142761	384F well	TC-treated	Black	30
10060601	142762	384F well	TC-treated	White	30
10591483	152029	384F well	Poly-D-Lysine	Black	20
10082192	152041	384F well	Collagen I	Black	20
Culture dishes					
15183728	150680	Glass Based Dish, 12mm	-	-	20
15235672	150682	Glass Based Dish, 27mm	-	-	20
Chamber slides					
10549891	177410	1 well, Lab-Tek Permax	Nunclon™ Delta	-	96
10324421	177429	2 well, Lab-Tek Permax	Nunclon™ Delta	-	96
10304471	177437	4 well, Lab-Tek Permax	Nunclon™ Delta	-	96
10098850	177445	8 well, Lab-Tek Permax	Nunclon™ Delta	-	96
10164271	154739	1 well, Lab-Tek II CC2	-	-	96
13083043	154852	2 well, Lab-Tek II CC2	-	-	96
10092371	154917	4 well, Lab-Tek II CC2	-	-	96
10564751	154941	8 well, Lab-Tek II CC2	-	-	96

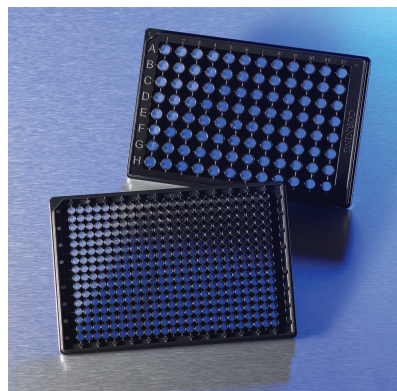
CORNING

High content screening microplates with glass bottom

High optical quality, glass bottom, black microplates are ideal for performing high content cell-based assays using imaging systems. The glass bottom provides a flat and optically clear surface that reduces autofocus time, increases throughput, and is ideal for cell growth.

- High optical quality and scratch resistant glass
- Glass bottom thickness of 200µm and ultra-clear film with 127µm thickness are well suited for imaging microscopy
- Bottom flatness <50µm to ensure planarity for imaging devices
- Low background fluorescence and minimal cross-talk provides the highest possible optical quality for cell-based assays
- Half area 96 well microplate reduces reagent consumption

Cat. No	Alt. No	Description	Treatment	Bottom	Pack qty
Thin glass bottom					
15389860	4582	96 well half area	Collagen	Glass	10
15309870	4584	96 well half area	Fibronectin	Glass	10
15339870	4586	96 well half area	Poly-D-Lysine	Glass	10
15399860	4583	384 well	Collagen	Glass	10
15329870	4585	384 well	Fibronectin	Glass	10
15359870	4587	384 well	Poly-D-Lysine	Glass	10
Ultra-thin glass bottom					
15368271	4680	96 well half area	TC-treated	Film clear	16
15388271	4681	384 well	TC-treated	Film clear	20





Fisher Scientific in collaboration with key brands in the cell culture market:

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CORNING

New brochures coming soon!

-  Basic cell culture
-  Stem cell

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GROW
together

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Genomics



Proteomics



Cell Biology



Microbiology

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