

Tools for Efficient 3-Dimensional Cell Culture

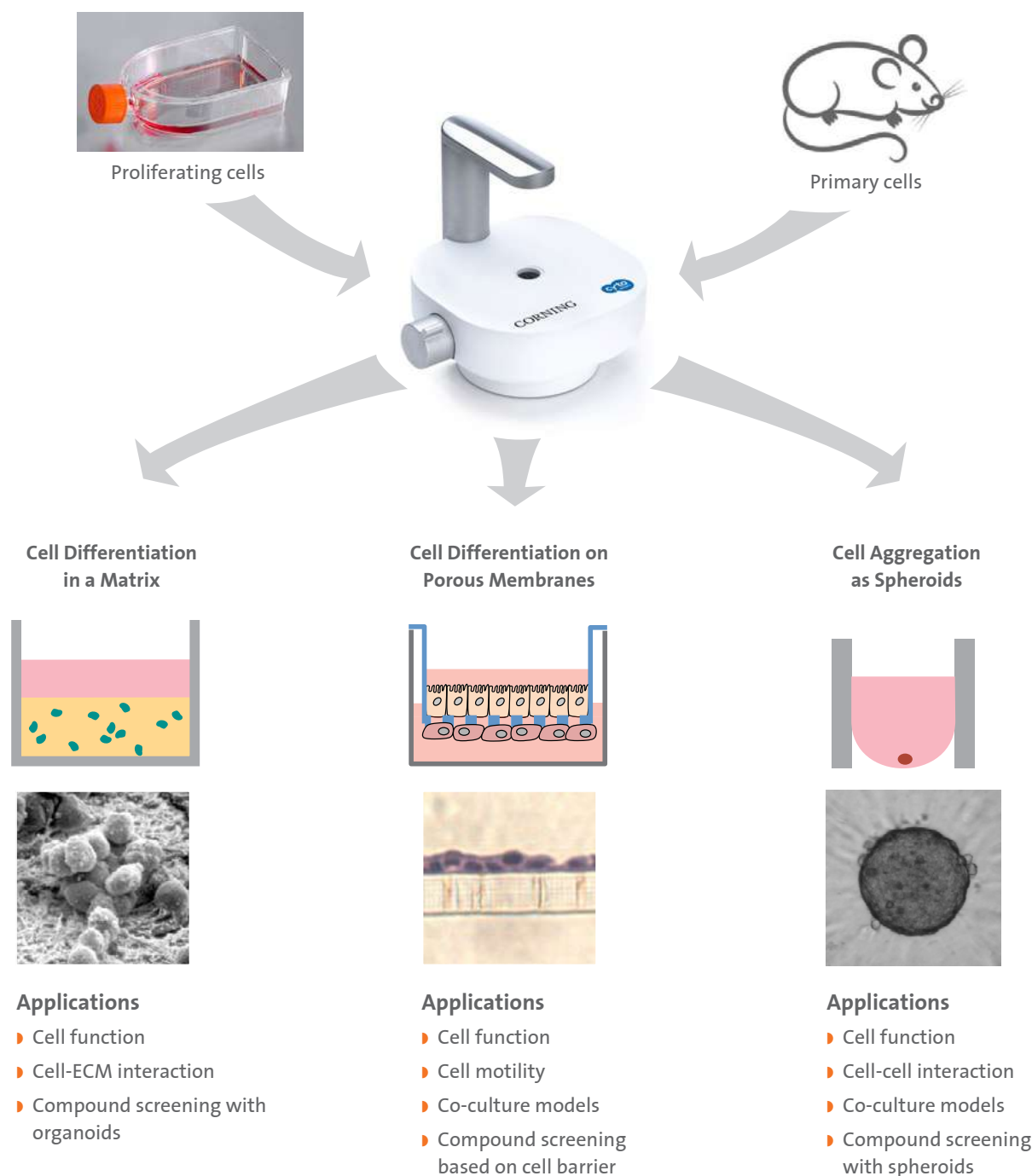
Quick Reference Guide



Researchers have embraced 3D cell culture for good reasons:

- ▶ Cells grown in 3D more closely mimic the *in vivo* behavior of tissues and organs
- ▶ 3D environments create more biologically relevant models for research and drug discovery
- ▶ Higher success rates for drug compound testing can reduce development costs

Corning provides proven tools for the critical steps of 3D cell culture.



Select Products for 3-Dimensional Cell Culture

Corning® Elplasia® Microcavity Plates



Cat. No.	Description	Qty/Pk	Qty/Cs
4440	Corning Elplasia 6-well round bottom plate, with lid, Ultra-Low Attachment (ULA) surface	1	5
4441	Corning Elplasia 24-well round bottom plate, with lid, ULA surface	1	5
4442	Corning Elplasia 96-well round bottom microplate, with lid, ULA surface	1	5
4444	Corning Elplasia 6-well square bottom type adherent plate, with lid	1	5
4445	Corning Elplasia 24-well square type adherent plate, with lid	1	5
4446	Corning Elplasia 96-well square type adherent microplate, with lid	1	5
4447	Corning Elplasia 384-well square type adherent microplate, with lid	1	5

Ultra-Low Attachment (ULA) Surface Cultureware



Cat. No.	Description	Qty/Pk	Qty/Cs
4515	Corning Spheroid microplate, 96-well, black/clear round bottom, with lid, ULA surface, sterile, individually wrapped	1	5
4516	Corning Spheroid microplate, 384-well, black/clear round bottom, with lid, ULA surface, sterile, individually wrapped	1	5
3474	Corning 96-well clear microplate, flat bottom, ULA surface, with lid, individually wrapped	1	24
7007	Corning 96-well clear microplate, round bottom, ULA surface, with lid, individually wrapped	1	24
3814	Corning 75 cm ² U-shaped flask, canted neck, ULA surface, vented cap	4	24
3471	Costar® 6-well clear plate, ULA surface, with lid, individually wrapped	1	24

Permeable Supports



Cat. No.	Description	Qty/Pk	Qty/Cs
3412	Transwell® Inserts in 6-well plates, 24 mm, 0.4 µm, Tissue Culture (TC)-treated, PC membrane, sterile	6	24
3479	Netwell™ Inserts in 6-well plates, 24 mm, 74 µm, PTFE, sterile	6	48
351152	Corning FluoroBlok™ HTS 24-well Plate permeable support with 8.0 µm colored PE membrane, sterile	8	48
3384	HTS Transwell 96-well with receiver plate and lid, 8.0 µm, TC-treated (membrane), PET membrane, bulk	1	50
353090	Falcon® inserts for 6-well plates, 0.4 µm, transparent, PET-membrane, sterile	6	48
351181	Falcon 24-well multiwell insert system with 1.0 µm pore PET membrane, with feeder tray and lid	5	5

Cell Strainer



Cat. No.	Description	Qty/Pk	Qty/Cs
352340	Falcon 40 µm Cell strainer	1	50

Corning 3D Clear Tissue Clearing Reagent



Cat. No.	Description	Qty/Pk	Qty/Cs
5730	Corning 3D Clear tissue clearing reagent starter kitIncludes: Corning 3D Clear reagent (30 mL), Corning 3D Clear antibody buffer (30 mL), Corning 3D Clear blocking buffer (30 mL), Corning 3D Clear penetration buffer (30 mL), Corning 3D Clear washing buffer 10X (70 mL)	--	1 kit
5731	Corning 3D Clear tissue clearing reagent, 10 mL	1	1
5732	Corning 3D Clear tissue clearing reagent, 30 mL	1	1
5733	Corning 3D Clear tissue clearing reagent, 100 mL	1	1
5734	Corning 3D Clear antibody buffer, 30 mL	1	1
5735	Corning 3D Clear antibody buffer, 100 mL	1	1
5736	Corning 3D Clear blocking buffer, 30 mL	1	1
5737	Corning 3D Clear blocking buffer, 100 mL	1	1
5738	Corning 3D Clear penetration buffer, 30 mL	1	1
5739	Corning 3D Clear penetration buffer, 100 mL	1	1
5740	Corning 3D Clear washing buffer 10X, 70 mL	1	1
5741	Corning 3D Clear washing buffer 10X, 200 mL	1	1

Select Products for 3-Dimensional Cell Culture (continued)

Cell Culture Media

Cat. No.	Description	Size	Qty/Cs
10-013-CV	DMEM (4,5 g/L glucose, L-glutamine and sodium pyruvate)	500 mL	6
10-022-CV	MEM (Minimum Essential Medium) Alpha Medium with Earle's salts, ribonucleosides, deoxyribonucleosides, and L-glutamine	500 mL	6
10-060-CV	Medium 199 (Mod.) with Earle's salts and L-glutamine	500 mL	6
10-080-CV	Ham's F-12 Medium with L-glutamine	500 mL	6
15-041-CV	RPMI 1640 with 25 mM HEPES, without L-glutamine	500 mL	6

Vial Extracellular Matrices

Cat. No.	Description	Qty/Pk	Qty/Cs
356255	Corning® Matrigel® matrix for organoid culture, phenol red-free, LDEV-free, 10 mL	1	1
356231	Corning Matrigel Growth Factor Reduced (GFR) basement membrane matrix, phenol red-free, LDEV-free, 10 mL	1	1
354248	Corning Matrigel matrix, high concentration (HC), LDEV-free, 10 mL	1	1
354236	Corning Collagen I, rat tail, 100 mg	1	1
354249	Corning Collagen I, high concentration, rat tail, 100 mg	1	1
354239	Corning Ultrapure Laminin, mouse, 1 mg	1	1
354250	Corning PuraMatrix™ Peptide Hydrogel, 5 mL	1	1

Reagents

Cat. No.	Description	Qty/Pk	Qty/Cs
354235	Corning Dispase, 100 mL	1	1
354253	Corning Cell recovery solution, 100 mL	1	1
354216	Falcon® Calcein AM fluorescent dye, 500 µg, 10 x 50 µg	1	10

Pre-coated Cultureware

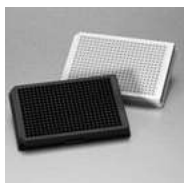
Cat. No.	Description	Qty/Pk	Qty/Cs
356256	Corning Matrigel matrix-3D plate, 384-well, black/clear square bottom, phenol red-free, individually wrapped, with lid	1	5
356257	Corning Matrigel matrix-3D plate, 384-well, white/clear square bottom, phenol red-free, individually wrapped, with lid	1	5
356258	Corning Matrigel matrix-3D plate, 384-well, white/clear square bottom, phenol red-free, individually wrapped, with lid	1	1
356359	Corning Matrigel matrix-3D plate, 96-well, phenol red-free, black/clear, Individually Wrapped, with Lid	1	1
354432	Corning BioCoat™ Matrigel matrix multiwell plate, 6-well, clear flat bottom, with lid, nonsterile	1	2

Corning Cooling Systems and Accessories

Cat. No.	Description	Qty/Pk	Qty/Cs
432003	Corning CoolCell® LX, orange freezing container, for 12 x 1 mL or 2 mL cryogenic vials	1	1
432008	Corning CoolCell FTS30, green freezing container, for 30 x 1 mL or 2 mL cryogenic vials	1	1
432014	Corning CoolBox™ XT Starter complete, low profile, open platform ice-free cooler	1	1
432021	Corning CoolBox XT, purple cooling and freezing workstation, single capacity	1	1
432034	Corning CoolRack® M6, gray holds 6 x 1.5 or 2 mL microcentrifuge tubes	1	1
432044	Corning CoolRack M90, gray, holds 90 x 1.5 or 2 mL microcentrifuge tubes	1	1
432070	Corning CoolSink® XT96F, flat bottom plate module	1	1
432071	Corning CoolSink XT 96U, 96-well U-bottom microplate module	1	1

Equipment and Pipetting Consumables

Cat. No.	Description	Qty/Pk	Qty/Cs
6749	Corning Cell Counter	1	1
4099	Corning Stripettor™ Ultra pipet controller	1	1
6065	Corning Lambda™ EliteTouch™ Starter kit	--	1
6791	Corning LSE™ Benchtop shaking incubator with platform, 230V (EU Plug)	1	1
TF-205-WB-R-S	Axygen® 200 µL universal fit filter tips, wide-bore, clear, sterile, rack pack, 96 tips/rack	960	4800



Select Web Links for 3-Dimensional Cell Culture



3D landing page



Corning® Matrigel® matrix for 3D cell culture video



Customer Testimonial: Using organoids for personalized medicine



New Products: Corning Elplasia® plates



New Products: Corning Matrigel matrix-3D plates



New Products: Corning Matrigel matrix for organoid culture

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