

Tools for Efficient 3-Dimensional Cell Culture

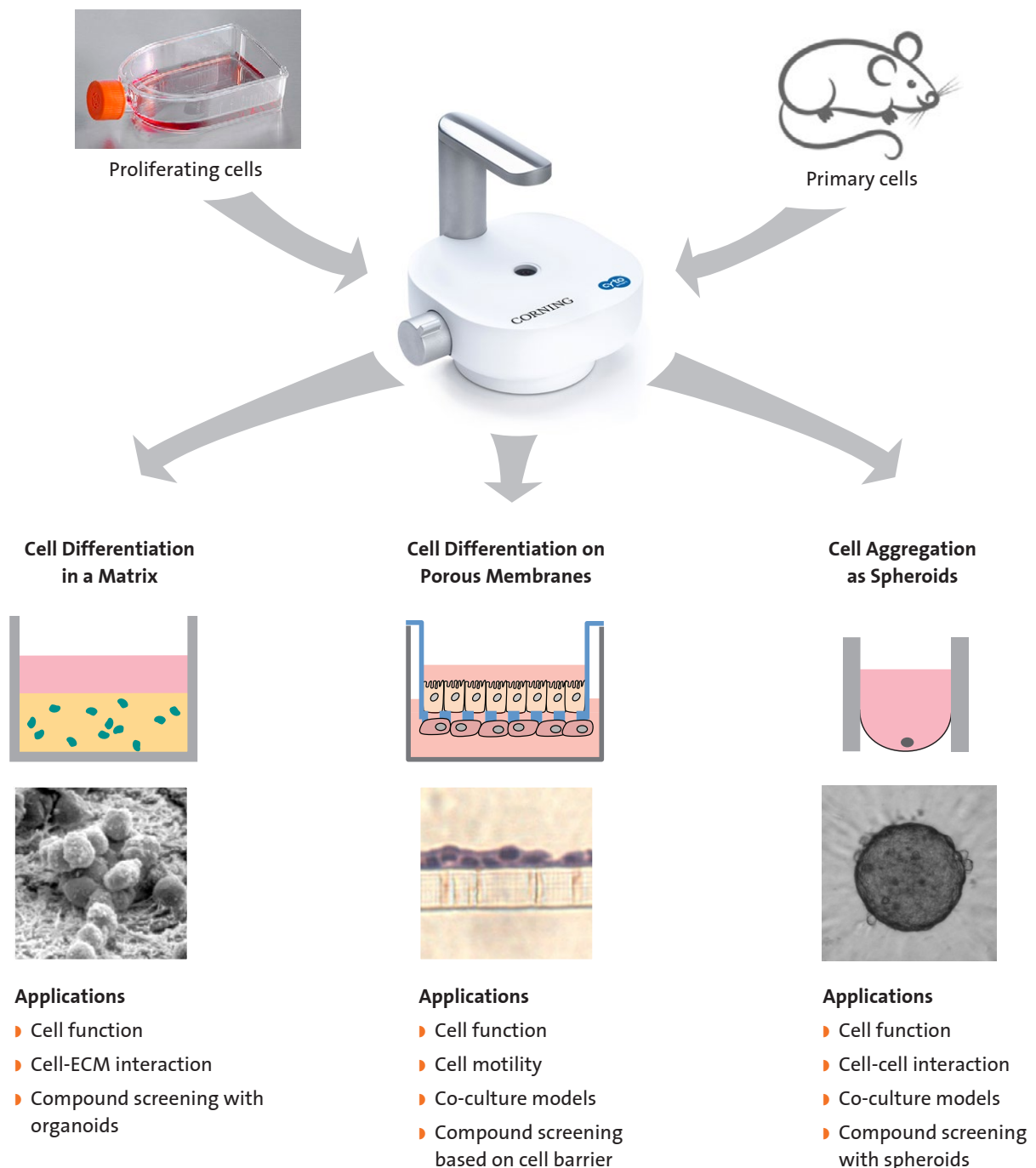
Quick Reference Guide

CORNING

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

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 |
| 3471 | Costar® 6-well clear plate, ULA surface, with lid, individually wrapped | 1 | 24 |
| 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 |



Permeable Supports

| | | | |
|--------|---|---|----|
| 3412 | Transwell® Inserts in 6-well plates, 24 mm, 0.4 µm, Tissue Culture (TC)-treated, PC membrane, sterile | 6 | 24 |
| 353090 | Falcon® inserts for 6-well plates, 0.4 µm, transparent, PET-membrane, sterile | 6 | 48 |
| 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 |
| 351181 | Falcon 24-well multiwell insert system with 1.0 µm pore PET membrane, with feeder tray and lid | 5 | 5 |
| 3384 | HTS Transwell 96-well with receiver plate and lid, 8.0 µm, TC-treated (membrane), PET membrane, bulk | 4 | 8 |



Cell Strainer

| | | | |
|--------|----------------------------|---|----|
| 352340 | Falcon 40 µm Cell strainer | 1 | 50 |
|--------|----------------------------|---|----|



Culture Media

| | | | |
|------------|---|--------|---|
| 10-013-CVR | 500 mL DMEM (4,5 g/L glucose, L-glutamine and sodium pyruvate) | 500 mL | 6 |
| 10-022-CVR | 500 mL MEM (Minimum Essential Medium) Alpha Medium with Earle's salts, ribonucleosides, deoxyribonucleosides, and L-glutamine | 500 mL | 6 |
| 10-060-CVR | 500 mL Medium 199 (Mod.) with Earle's salts and L-glutamine | 500 mL | 6 |
| 10-080-CVR | 500 mL Ham's F-12 Medium with L-glutamine | 500 mL | 6 |
| 15-041-CVR | 500 mL RPMI 1640 with 25 mM HEPES, without L-glutamine | 500 mL | 6 |



Vial Extracellular Matrices

| | | | |
|--------|--|---|---|
| 356230 | Corning Matrigel® Growth Factor Reduced (GFR) basement membrane matrix, 5 mL | 1 | 1 |
| 354248 | Corning Basement Membrane 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

| | | | |
|--------|---|---|----|
| 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

| | | | |
|--------|--|---|---|
| 354432 | Corning BioCoat™ Matrigel Matrix 6-well clear flat bottom TC-treated multiwell plate, with lid, nonsterile | 1 | 2 |
| 354460 | Corning BioCoat Matrigel matrix 35 mm culture dishes, 8/Pack, 8/Case nonsterile | 4 | 8 |

Corning Cooling Systems and Accessories

| | | | |
|--------|---|---|---|
| 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

| | | | |
|------|---|---|---|
| 6749 | Corning Cell Counter | 1 | 1 |
| 4099 | Corning Stripettor™ Ultra Pipet Controller | 1 | 1 |
| 6791 | Corning LSE™ Benchtop shaking incubator with platform, 230V (EU Plug) | 1 | 1 |



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