Corning® Elplasia® Plates

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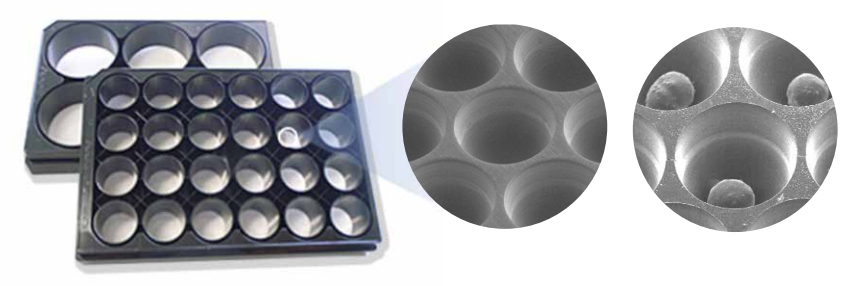
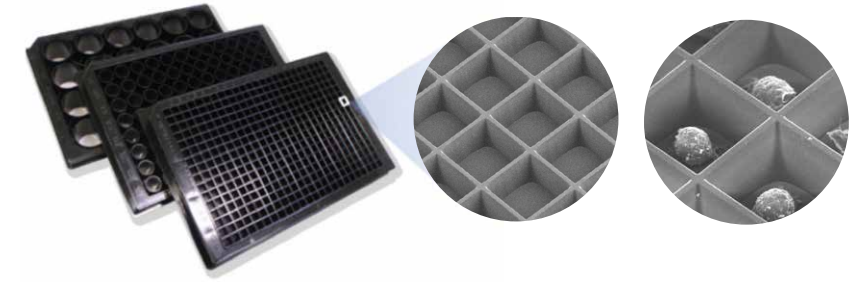
With the effectiveness of 3D spheroids in many areas of research including anti-cancer drug screening and *in vitro* tumor studies, the need for better methods to produce replicate spheroids of uniform size in mass quantities has emerged.

Corning Elplasia plates address this need by enabling researchers to generate a high density of spheroids in a scaffold-free model. Use Corning Elplasia plates to generate, culture, and analyze your spheroids all in a standard plate footprint. Corning Elplasia plates are available in multiple formats, two well geometry types, and two surface coatings.



Corning Elplasia round bottom plates with Corning Ultra-Low Attachment (ULA) surface



Corning Elplasia square bottom type adherent plates

Corning Elplasia Round Bottom Plates

Corning Elplasia round bottom plates are optimal for bulk spheroid formation, assay, expansion, and collection. Round bottom plates are available in 6-, 24-, and 96-well formats and all feature Corning Ultra-Low Attachment (ULA) surface. Corning ULA surface is a proprietary, animal-free, covalently bonded hydrogel surface that is hydrophilic and neutrally charged. The ULA surface promotes the formation and easy harvesting of anchorage-dependent scaffold-free spheroids.

Corning Elplasia Square Bottom Type Plates

Corning Elplasia square bottom type plates feature a surface with optical qualities suited for image analysis, making them an ideal solution for clonal selection and high magnification imaging of very small clusters. Square bottom plates are plasma-treated for self-coating and are available in 6-, 24-, 96-, and 384-well formats.

Features and Benefits

Corning® Elplasia® plates are compatible with many cell types and may be used across many applications including:

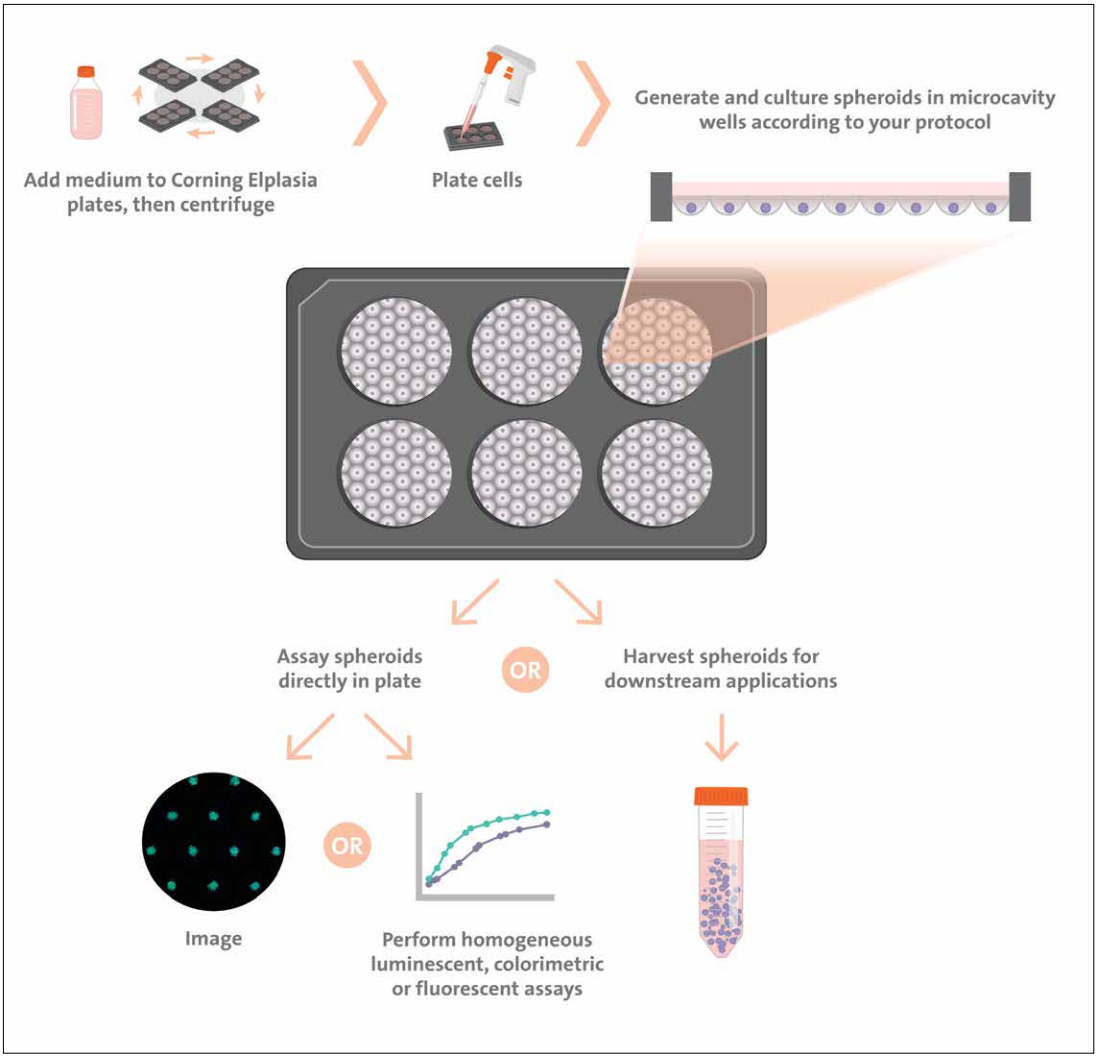
- Drug screening/High throughput screening
- Cancer/Tumor biology
- Stem cell biology
- Cell therapy research
- 3D tissue engineering

Key Features

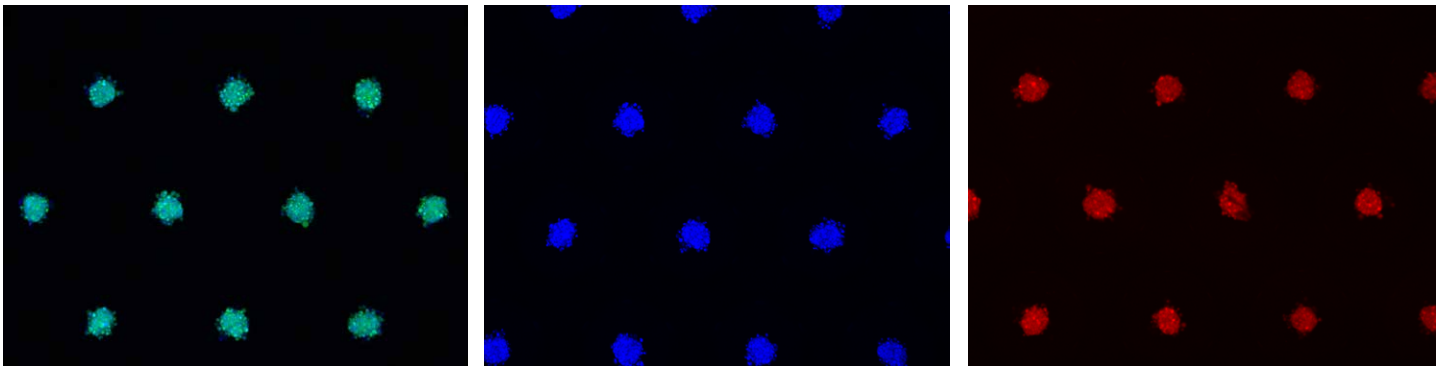
- Available in two well geometry and surface coating options: round bottom type featuring Ultra Low Attachment (ULA) surface and square bottom type featuring a plasma-treated surface for self-coating
- Multiple format options: 6-, 24-, 96-, and 384-well
- Black opaque sidewalls that reduce well-to-well "cross-talk"
- Square well plates feature a surface with optical qualities suited for image analysis
- Gamma irradiated
- One-year shelf life

Key Benefits

- Create uniform spheroid formation at large volumes with a simple and easy to use "plug and play" protocol
- No rinsing required prior to seeding
- Generate and culture spheroids in one plate – for up to 21 or more days
- Highly reproducible bulk spheroid formation across microcavity wells – from 79 to 15,000+ spheroids per well
- Culture a high density of spheroids in one plate under one culture condition
- Increased signal per well without an increase in spheroid size
- High density format also generates increased data points, enabling image analysis of multiple spheroids vs. one spheroid per well
- Suitable for fluorescent/luminescent assays
- The square well plates are ideal for clonal selection and high magnification imaging of very small clusters



Create a high volume of uniform spheroids under one culture condition with a simple "plug and play" protocol. For more details please refer to our Guidelines for Use (Corning Lit. Code CLS-AN-536).



Corning Elplasia plates are compatible with fluorescent imaging assays. HT29 spheroids expressing GFP and stained with NucRed® and Hoechst (4X objective).

Ordering Information

Corning® Elplasia® Round Bottom Plates

Cat. No.	Description	Number of Spheroids/Well (Average)	Microwell Size (Diameter/Depth)	Qty/Pk	Qty/Cs
4440	Corning Elplasia 6-well round bottom plate, with lid, Ultra-Low Attachment (ULA) surface	2,885	500/400	1	5
4441	Corning Elplasia 24-well round bottom plate, with lid, ULA surface	554	500/400	1	5
4442	Corning Elplasia 96-well round bottom microplate, with lid, ULA surface	79	500/400	1	5

Corning Elplasia Square Bottom Type Plates

Cat. No.	Description	Number of Spheroids/Well (Average)	Microwell Size (Diameter/Depth)	Qty/Pk	Qty/Cs
4444	Corning Elplasia 6-well square bottom type adherent plate, with lid	15,796	200/100	1	5
4445	Corning Elplasia 24-well square type adherent plate, with lid	2,934	200/100	1	5
4446	Corning Elplasia 96-well square type adherent microplate, with lid	475	200/100	1	5
4447	Corning Elplasia 384-well square type adherent microplate, with lid	137	200/100	1	5

For more specific information on claims, visit the Certificates page at **www.corning.com/lifesciences**.

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

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For additional product or technical information, visit **www.corning.com/lifesciences** or call 800.492.1110.

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