

Falcon® Plates

- ▶ Unique labyrinth lid, condensation rings, and deep-well design control contamination, reduce evaporation, and minimize edge effects
- ▶ Reliable vacuum-gas plasma tissue culture treatment provides well-to-well and plate-to-plate consistency

Reliable growth surfaces assure consistent cell performance

All tissue culture treatments render polystyrene hydrophilic and result in the incorporation of a variety of anionic functional groups that support cell culture. To ensure reproducible results and conditions, all Falcon tissue culture treatment is performed in a vacuum chamber.

Corning® Primaria™ tissue culture treatment additionally incorporates nitrogen-containing functional groups that have been shown to improve attachment and spreading of some cell types.

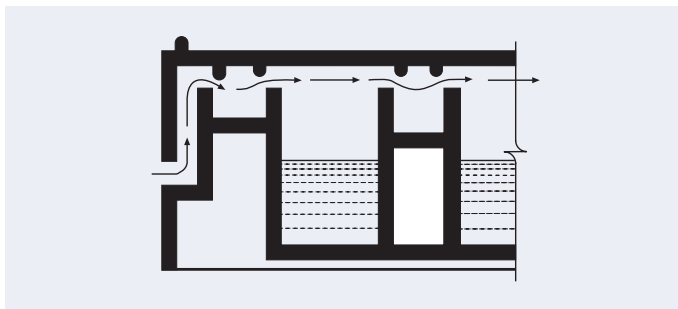
Falcon Non-Tissue Culture-treated plates have a more hydrophobic surface and show reduced cell attachment.

Cell tests ensure consistent results

A sensitive clonogenic assay¹ using MRC-5 cells, a diploid human fibroblast line, is used to validate the manufacturing process for each Falcon and Tissue Culture (TC) product. Routine testing of standard TC products is performed by testing growth to confluency at 72 hours with MRC-5 cells. The surface chemistry of each lot of Corning Primaria products is confirmed by Electron Scanning for Chemical Analysis (ESCA).

Reference

1. Freshney, R.I., Culture of animal cells: a manual of basic technique, 2d ed., Wiley-Liss, London, p. 83 (1987).



Low-Evaporation Lid

An innovative labyrinth air-passage system provides a tortuous path for gas exchange across Falcon plates. This unique feature reduces evaporation and minimizes contamination.

1. Alphanumeric well identification
2. One-way lid
3. Condensation rings
4. Low-evaporation labyrinth lid

5. Deep wells
6. Serrated gripping panels
7. Writing patch

Falcon® Plates and Microplates

- ▶ Versatility of plate colors to suit various detection methods
- ▶ Crystal-grade virgin polystyrene
- ▶ Sterilized by gamma irradiation
- ▶ Nonpyrogenic
- ▶ Non-treated polystyrene, standard tissue culture (TC), and Corning® Primaria™ surface treatments available
- ▶ Convenient, peel-open medical-style packaging for individual product presentation
- ▶ Individual and Ready-Stack (RS) trays are PET (Code 1) and recyclable
- ▶ Falcon 96, 384, and 1536 well microplates are compatible with automation systems and meet standard ANSI/SBS footprint dimensions for microplates
- ▶ Growth area and volume are nominal - See page 40 for more details

Applications

- ▶ Ion channel/Calcium flux (FLIPR)
- ▶ GPCR (Act/Inact)
- ▶ Cell cytotoxicity
- ▶ Cell proliferation
- ▶ Cell adhesion
- ▶ Differentiation (primary cells)
- ▶ Cell migration
- ▶ Reporter gene
- ▶ Neurite outgrowth

Falcon Plates and Microplates Ordering Information

Cat. No.	Surface	Growth Area (cm ²)	Well Volume (mL)	Qty/Pk	Qty/Cs
6 well plates, flat-bottom with lid					
353046	Standard TC*	9.6	15.5	1/tray	50
353224	Standard TC	9.6	15.5	6/bag	36
353934	Standard TC	9.6	15.5	10/RS tray	60
353846	Corning Primaria TC	9.6	15.5	1/tray	50
351146	Non-TC-treated	9.6	15.5	1/tray	50
12 well plates, flat-bottom with lid					
353043	Standard TC	3.8	6.0	1/tray	50
353225	Standard TC	3.8	6.0	6/bag	36
351143	Non-TC-treated	3.8	6.0	1/tray	50
24 well plates, flat-bottom with lid					
353047	Standard TC	2.0	3.5	1/tray	50
353226	Standard TC	2.0	3.5	6/bag	36
353935	Standard TC	2.0	3.5	10/RS tray	60
353847	Corning Primaria TC	2.0	3.5	1/tray	50
351147	Non-TC-treated	2.0	3.5	1/tray	50
48 well plates, flat-bottom with lid					
353078	Standard TC	0.75	1.4	1/tray	50
353230	Standard TC	0.75	1.4	6/bag	36
351178	Non-TC-treated	0.75	1.4	1/tray	50
96 well microplates, flat-bottom with lid					
353072	Standard TC, clear	0.32	0.37	1/tray	50
353075	Standard TC, clear	0.32	0.37	5/bag	50
353936	Standard TC, clear	0.32	0.37	14/RS tray	84
353916	Standard TC, clear	0.32	0.37	25/bag	100
353296	Standard TC, white	0.32	0.37	5/bag	100
353376	Standard TC, black	0.32	0.37	8/bag	32
353377	Standard TC, white/clear	0.32	0.37	8/bag	32
353219	Standard TC, black/clear	0.32	0.37	8/bag	32
353872	Corning Primaria TC	0.32	0.37	1/tray	50
351172	Non-TC-treated	0.32	0.37	1/tray	50
96 well microplates, U-bottom with lid (except as indicated)					
353077	Standard TC	0.36	0.32	1/tray	50
353227	Standard TC	0.36	0.32	5/bag	50
351177	Non-TC-treated	0.36	0.32	1/tray	50
353910	Non-TC-treated, no lid, non-sterile	0.36	0.32	5/bag	50

For 96 well microplate dimensions, please see page 38