

Corning® FluoroBlok™ Cell Culture Inserts

Fluorescence-blocking membranes and optimized assay systems for better cell migration and invasion assays

Corning FluoroBlok cell culture inserts are designed with a patented light-tight polyethylene terephthalate (PET) membrane that now efficiently blocks the transmission of light between 400 and 700 nm, allowing fluorescence detection in a simplified and non-destructive manner. Fluorescently labeled cells present in the top chamber of the insert are shielded from bottom-reading fluorescence plate readers and microscopes. After labeled cells migrate through the membrane, they are easily detected by a bottom-reading fluorescence plate reader or microscope, thereby eliminating manual cell counting and additional processing steps. This non-destructive detection method enables both kinetic and endpoint migration and invasion assays.

Features

- ▶ Save time by eliminating swabbing and manual cell counting for cell migration and invasion assays
- ▶ Fluorescence-blocking darker membrane blocks light transmission from 400-700 nm
- ▶ Available in a wide array of formats and configurations, from individual inserts to 96 well plates
- ▶ Suitable for both pre- and post-fluorescently labeled cells
- ▶ Enhance data content with the ability to take multiple readings from the same well during kinetic assays
- ▶ Improve assay reproducibility with Corning Matrigel® matrix pre-coated inserts and optimized assay systems

For more technical information on Corning FluoroBlok cell culture inserts, including guidelines for use, plate reader set up guide, and other helpful hints, visit www.corning.com/lifesciences.

HTS Insert Systems

Corning BioCoat™ 24 and 96 HTS Multiwell Insert Systems offer an automation-friendly format compatible with most robotics and fluid handlers. They allow users to analyze 24 or 96 multiwell inserts simultaneously, because all insert wells are part of a single plate. Corning FluoroBlok Multiwell Insert Systems also provide reliable, lot-to-lot consistent protein coatings for tumor cell invasion and endothelial cell migration and invasion assays.



Optimized Assay Systems

In addition to individual and HTS inserts, optimized assay systems are available for *in vitro* angiogenesis and tumor cell invasion assays. Corning BioCoat Angiogenesis Systems are comprised of 3.0 µm inserts with biological coatings optimized for use in endothelial cell migration and invasion assays. Corning BioCoat Tumor Invasion Systems are pre-coated with Corning Matrigel matrix, which provides a consistent protein coating for reproducible results.

CORNING

Ordering Information

Individual Cell Culture Inserts

Description	Pore Size	Qty/Pk	Plates/Cs	Inserts/Cs	Cat. No.
Corning® FluoroBlok™ Tissue Culture (TC)-treated Inserts, 24 well (for use with Falcon® Insert 24 well Companion Plate (353504))	3.0 µm	1	NA	48	351151
	8.0 µm	1	NA	48	351152
Corning BioCoat™ FluoroBlok Fibronectin Inserts, 12 individual inserts per 24 well plate	3.0 µm	12	2	24	354597

Companion Plates for Individual Inserts

Description	Qty/Pk	Qty/Cs	Cat. No.
Falcon 24 well Companion Plate, TC-treated	1	50	353504

Fluorescent Dyes

Description	Size	Cat. No.
Corning DiI _{C12} (3) Fluorescent Dye	100 mg	354218
Corning Calcein AM Fluorescent Dye	10 x 50 µg	354216
	1 mg	354217

Multiwell HTS Insert Systems

Description	Pore Size	Qty/Pk	Qty/Cs	Cat. No.
Corning FluoroBlok TC-treated 24 Multiwell HTS Insert System in a 24 well plate with lid	3.0 µm	1 x 24 Multiwell	1	351155
	3.0 µm	1 x 24 Multiwell	5	351156
Corning FluoroBlok TC-treated 24 Multiwell HTS Insert System in a 24 well plate with lid	8.0 µm	1 x 24 Multiwell	1	351157
	8.0 µm	1 x 24 Multiwell	5	351158
Corning FluoroBlok TC-treated 96 Multiwell HTS Insert System in a 96 square well, flat bottom plate with lid	3.0 µm	1 x 96 Multiwell	1	351161
	3.0 µm	1 x 96 Multiwell	5	351162
Corning FluoroBlok TC-treated 96 Multiwell HTS Insert System in a 96 square well, flat bottom plate with lid	8.0 µm	1 x 96 Multiwell	1	351163
	8.0 µm	1 x 96 Multiwell	5	351164

Assay Systems

Pre-packaged in multiwell plates. All assays include a complete protocol.

Description	Fibronectin	Corning Matrigel® Matrix	Pore Size	Qty/Pk	Qty/Cs	Cat. No.
Corning BioCoat Angiogenesis System: Endothelial Cell Migration, Multiwell HTS Insert System in 24 well plate	✓		3.0 µm	1 x 24 Multiwell	1	354143
	✓		3.0 µm	1 x 24 Multiwell	5	354144
Corning BioCoat Angiogenesis System: Endothelial Cell Migration, Multiwell HTS Insert System in 96 well plate	✓		3.0 µm	1 x 96 Multiwell	1	354147
	✓		3.0 µm	1 x 96 Multiwell	5	354148
Corning BioCoat Angiogenesis System: Endothelial Cell Invasion, Multiwell HTS Insert System in 24 well plate		✓	3.0 µm	1 x 24 Multiwell	1	354141
		✓	3.0 µm	1 x 24 Multiwell	5	354142
Corning BioCoat Tumor Invasion System: Multiwell HTS Insert System in 24 well plate		✓	8.0 µm	1 x 24 Multiwell	1	354165
		✓	8.0 µm	1 x 24 Multiwell	5	354166
Corning BioCoat Tumor Invasion System: Multiwell HTS Insert System in 96 well plate		✓	8.0 µm	1 x 96 Multiwell	1	354167
		✓	8.0 µm	1 x 96 Multiwell	5	354168

To place an order in the U.S., contact Customer Service at:

tel: **800.492.1110**, fax: 978.442.2476

email: CLSCustServ@corning.com

For technical assistance, contact Technical Support at:

tel: **800.492.1110**, fax: 978.442.2476

email: CLSTechServ@corning.com

Outside the U.S., contact your local distributor or visit www.corning.com/lifesciences

to locate your nearest Corning office. For additional Corning product, technical, or distributor information, call **978.442.2200**.

Corning acquired the BioCoat™, Falcon®, FluoroBlok™, and Matrigel® brands.

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

For a listing of trademarks, visit us at www.corning.com/lifesciences/trademarks. All other trademarks in this document are the property of their respective owners.

CORNING

Corning Incorporated
Life Sciences

836 North St.
Building 300, Suite 3401
Tewksbury, MA 01876
t 800.492.1110
t 978.442.2200
f 978.442.2476

www.corning.com/lifesciences