

Corning® FluoroBlok™ Cell Culture Inserts

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

CORNING

Corning FluoroBlok cell culture inserts are designed with a proprietary light-tight polyethylene terephthalate (PET) membrane that 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 end-point migration and invasion assays.

Features

- ▶ Save time by eliminating swabbing and manual cell counting for cell migration and invasion assays
- ▶ Fluorescent-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 microplates
- ▶ 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

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 endothelial cell migration assays.

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



Ordering Information

Products may not be available in all markets.

Individual Cell Culture Inserts

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

Companion Plates for Individual Inserts

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

Fluorescent Dyes

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

Multiwell HTS Insert Systems

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

Assay System

Pre-packaged in multiwell plates. Includes a complete protocol.

Cat. No.	Description	Fibronectin	Pore Size (µm)	Qty/Pk	Qty/Cs
354144	Corning BioCoat Angiogenesis System: Endothelial Cell Migration, Multiwell HTS Insert System in a 24-well plate	✓	3.0	1 x 24 multiwell	5

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