greiner BIO-ONE

SCALE UP YOUR MOTILITY STUDIES

STERILE | FREE OF detectable DNase | FREE OF detectable human DNA | FREE OF detectable RNase | non-cytotoxic | non-pyrogenic

THINCERT® 96 WELL HTS INSERT (3 µm AND 8 µm)

Excel in cell motility: Designed for chemotaxis and invasion studies

If you are you looking for an efficient solution to scale up your membrane-based motility studies, explore the latest addition to the ThinCert® 96 well HTS insert family which opens doors to automation and allows for increased throughput. Take advantage of the assay miniaturisation to maximise both time and cost savings when compared to single-insert solutions. The ThinCert® HTS inserts, available in pore sizes of 3 µm and 8 µm, have been meticulously designed for the specific needs of motility studies in drug screening, angiogenesis studies, and cancer research.

Enhanced imaging quality for live cell observations: Our special pore configuration ensures high membrane transparency, enabling microscopic imaging and monitoring.

Membrane performance: The porous membrane establishes stable chemotactic gradients for successful chemotaxis and invasion studies.

Optimal for cell growth: Being manufactured purely from polycarbonate - the HTS membrane insert provides the ideal substrate for cell growth.

KEY FACTS

- Optimal for migration and invasion assays
- 96 well system for high-throughput applications
- Polycarbonate membrane with 3 µm and 8 µm pore size
- High transparency
- Precise fit of membrane plate and receiver plate for minimised wicking*

* Wicking: Undesired formation of a liquid bridge between upper and lower compartment due to capillary forces within the narrow space between membrane and receiver plate.

LEARN MORE

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Greiner Bio-One is a global player.
Find the contact details of your local partner on our website.

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PRODUCT OVERVIEW

FOR FURTHER INFORMATION AND/OR SAMPLE ORDERING
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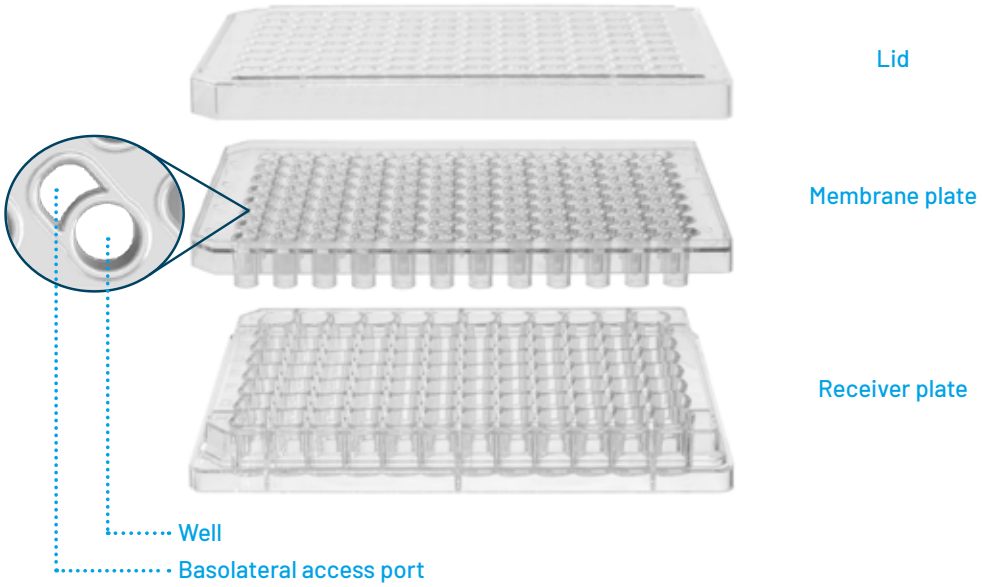

The ThinCert® 96 well HTS insert is a two-component system comprising a 96 well porous membrane plate manufactured entirely from polycarbonate and a corresponding polystyrene receiver plate.

Selecting the right pore size for common cell types

Cell type	Example	Pore size recommendation (µm)
Epithelial cells	MCF7, MDA-MB-231	3 µm
Endothelial cells	HUVEC, HMVEC	3 µm
Polymorphonuclear neutrophils	-	3 µm
Lymphocytes	T cells, B cells	3 µm
Fibrosarcoma cells	NIH3T3, HT1080	8 µm
Leukocytes	Macrophages, Monocytes	8 µm
Dendritic cells	BMDC	8 µm

Ordering information

ThinCert® 96 Well HTS Insert (Membrane plates and receiver plates)

Growth area: 14 mm², Working volume (well of membrane plate): 15 - 160 µl,
Working volume (well of receiver plate): 120 - 300 µl, Lid: yes, condensation rings

Item no.	Pore density	Ø Pores	Optical features of membrane	Surface treatment	Sterile	Qty. inner / outer
655630	2 x 10^6/cm²	3 µm	transparent	TC	+	1 / 5
655680	1 x 10^5/cm²	8 µm	transparent	TC	+	1 / 5

Receiver plates for ThinCert® 96 Well HTS Insert

Working volume (well of receiver plate): 120 - 300 µl, Lid: yes, condensation rings

Item no.	Growth area	Surface treatment	Sterile	Qty. inner / outer
655169	-	non-treated	+	8 / 32
655167	53 mm²	TC	+	8 / 32

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