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Versatility and convenience for your permeable culture system

Nunc cell culture inserts and carrier plates

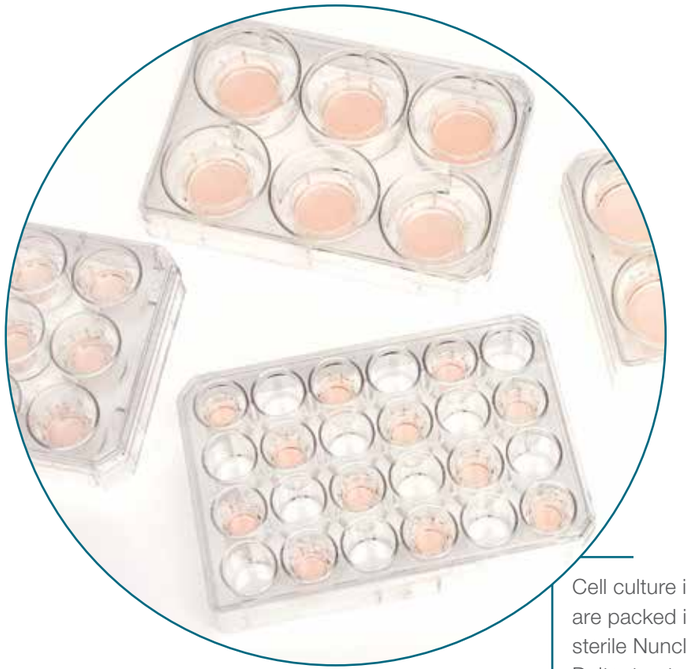
ThermoFisher SCIENTIFIC

Nunc cell culture inserts and carrier plates

Optimize your research

We offer a wide range of cell culture inserts, featuring our cell culture–treated porous polycarbonate membrane, as well as uniquely adjustable carrier plates.

Polycarbonate cell culture inserts
Thermo Scientific™ Nunc™ polycarbonate cell culture inserts in Nunclon™ Delta™–treated multi-well plates are easy to use for cultivation of most cell types without extracellular matrix coating.



An assortment of plate and insert sizes, along with multiple insert membrane pore sizes, support a wide range of applications.

Cell culture inserts are packed inside sterile Nunclon Delta–treated multi-well plates.

Application examples
Transport studies Pore size: 0.4 or 3.0 µm
Co-cultivation studies Pore size: 0.4 or 3.0 µm
Tissue engineering Pore size: 0.4 or 3.0 µm
Chemotaxis studies Pore size: 3.0 or 8.0 µm
Invasion studies Pore size: 3.0 or 8.0 µm

Our cell culture insert carrier plates are equipped with alphanumeric well identification. All cell culture inserts and carrier plates are also USP Class VI–compliant and sterile.

Carrier plates for cell culture inserts
Thermo Scientific™ Nunc™ carrier plates are designed to provide versatility for your research. The system can be used for adjusting the hanging height of the inserts in the wells, facilitating air-liquid interface culture, and other co-culture applications.

Carrier plates come in 12- and 24-well Nunclon Delta–treated formats.

Our uniquely engineered carrier plates feature a support structure that enables variable hanging height. Simply rotate the insert to engage one of the three height-adjusting tabs into the carrier plate slots.

Polycarbonate membrane inserts are available in three pore sizes to meet your application needs. Translucent membrane becomes transparent when wet.

Distance between membrane and well	
Low position	0.9 mm
Medium position	3.3 mm
High position	6.3 mm

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Ordering information

Pore size, µm	Pore density, pores/cm²	Culture area, cm²	Suggested working volume, mL*	No. of inserts/ multi-well plate	No. of multi-well plates/ case	Cat. No.
Cell culture inserts in 24-well multi-well plate—polycarbonate membrane						
0.4	<0.85 x 10^8	0.47	0.5	12	4	140620
3.0	<1.7 x 10^6	0.47	0.5	12	4	140627
8.0	<0.85 x 10^5	0.47	0.5	12	4	140629
Cell culture inserts in 12-well multi-well plate—polycarbonate membrane						
0.4	<0.85 x 10^8	1.13	1.1	12	4	140652
3.0	<1.7 x 10^6	1.13	1.1	12	4	140654
8.0	<0.85 x 10^5	1.13	1.1	12	4	140656
Cell culture inserts in 6-well multi-well plate—polycarbonate membrane						
0.4	<0.85 x 10^8	3.14	1.5	6	4	140640
3.0	<1.7 x 10^6	3.14	1.5	6	4	140642
8.0	<0.85 x 10^5	3.14	1.5	6	4	140644
0.4	<0.85 x 10^8	4.1	1.75	6	4	140660
3.0	<1.7 x 10^6	4.1	1.75	6	4	140663
8.0	<0.85 x 10^5	4.1	1.75	6	4	140668

Pore size, µm	Pore density, pores/cm²	Culture area, cm²	Suggested working volume, mL**	No. of inserts/ carrier plate	No. of carrier plates/case	Cat. No.
Nunc carrier plate system for 24-well multi-well plate—polycarbonate membrane						
–	–	–	–	0	4	141008
0.4	<0.85 x 10^8	0.47	Low 1.0; Med 1.5; High 2.0	24	4	141002
3.0	<1.7 x 10^6	0.47	Low 1.0; Med 1.5; High 2.0	24	4	141004
8.0	<0.85 x 10^5	0.47	Low 1.0; Med 1.5; High 2.0	24	4	141006
Nunc carrier plate system for 12-well multi-well plate—polycarbonate membrane						
–	–	–	–	0	4	141086
0.4	<0.85 x 10^8	1.13	Low 2.0; Med 3.0; High 4.0	12	4	141078
3.0	<1.7 x 10^6	1.13	Low 2.0; Med 3.0; High 4.0	12	4	141080
8.0	<0.85 x 10^5	1.13	Low 2.0; Med 3.0; High 4.0	12	4	141082

* Suggested working volume, mL is in addition to normal working volume in multi-dish wells.

** Suggested working volume, mL is according to hanging position that allows 5 mm medium coverage of the insert.