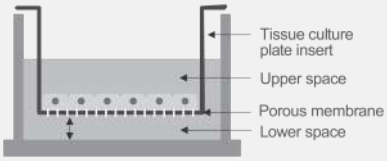
CellWell Tissue Culture Plate Inserts

Tissue culture plate inserts are extensively used in a variety of cell tests, including co-culture tests, chemotaxis tests, and cell migration tests. With the membrane technology, cells that grow in vitro are more similar to those growing in vivo in terms of morphology and function. They are also used for studying cell functions such as cellular transport, absorption and secretion.

- Membrane Pore Size: 0.1 μm 0.4 μm 3.0 μm 5.0 μm 8.0 μm 12.0 μm
- Specification: 6-well 12-well 24-well
- Materials: Membrane: Polycarbonate(PC)/Polyethylene terephthalate(PET),
- Main Body: Polystyrene (GPPS), conforming to USP Class VI standards

Features

- Excellent transmittance of the PET membrane, facilitating observation by microscope; Compared to the PET membrane, cell adhesion is stronger on the PC membrane and its higher pore density enables easier exchange of transmembrane substances
- 3 configurations of cell culture plate inserts and a variety of membrane ore sizes are available to meet a variety of different experimental requirements
- Innovative nested edge design facilitates sample addition
- Special central suspension design protects monolayer cells while preventing cell culture medium loss
- Exellent chemical compatibility of the membrane makes it compatible with most staining and fixed reagents
- Sterilized by irradiation, SAL 10-6
- DNase/RNase-free, non-pyrogenic and non-cytotoxic



Chemical Compatibility

The PC membrane and PET membrane are suitable for histological fixatives such as methanol and formaldehyde, and also tolerate alcohol, amines, lipids, ethers, ketones and petroleum solvents (such as halogenated hydrocarbon and DMSO). In particular, the PET membrane has very good chemical applicability. However, strong acid ic and alkaline solutions are not recommended.

Pore Density

The PET membrane and PC membrane have a rated pore density. In comparison, the PET membrane has a lower bore density than the PC membrane but is superior in terms of its optical performance.

The central suspension design of our tissue culture plate inserts leaves a certain distance between the nest and the bottom, so that the monolayer cells will not be destroyed when the nest is moved away, and culture medium loss via capillary action between the nested wall and pore wall can be prevented.

Ordering information

Polycarbonate (PC) MembraneTissue Culture Plate Inserts

Product Code	Well	Pore Size(μm)	Growth Area for Insert Membrane (cm²)	Sterile	Qty. Per Box	Qty. Per Case
CELCUJG000006A	6	0.1	4.67	Y	6	24
CELCUJG001006A	6	0.4	4.67	Y	6	24
CELCUJG005006A	6	1.0	4.67	Y	6	24
CELCUJG002006A	6	3.0	4.67	Y	6	24
CELCUJG003006A	6	8.0	4.67	Y	6	24
CELCUJG100006A	6	12.0	4.67	Y	6	24
CELCUJG000012A	12	0.1	1.12	Y	12	48
CELCUJG001012A	12	0.4	1.12	Y	12	48
CELCUJG005012A	12	1.0	1.12	Y	12	48
CELCUJG002012A	12	3.0	1.12	Y	12	48
CELCUJG003012A	12	8.0	1.12	Y	12	48
CELCUJG100012A	12	12.0	1.12	Y	12	48
CELCUJG000024A	24	0.1	0.33	Y	12	48
CELCUJG001024A	24	0.4	0.33	Y	12	48
CELCUJG005024A	24	1.0	0.33	Y	12	48
CELCUJG002024A	24	3.0	0.33	Y	12	48
CELCUJG003024A	24	8.0	0.33	Y	12	48
CELCUJG004024A	24	5.0	0.33	Y	12	48
CELCUJG100024A	24	12.0	0.33	Y	12	48

Polyethylene Terephthalate (PET) MembraneTissue Culture Plate Inserts

Product Code	Well	Pore Size(μm)	Growth Area for Insert Membrane (cm²)	Sterile	Qty. Per Box	Qty. Per Case
CELCUJG017006A	6	0.1	4.67	Y	6	24
CELCUJG016006A	6	0.4	4.67	Y	6	24
CELCUJG018006A	6	1.0	4.67	Y	6	24
CELCUJG019006A	6	3.0	4.67	Y	6	24
CELCUJG020006A	6	8.0	4.67	Y	6	24
CELCUJG017012A	12	0.1	1.12	Y	12	48
CELCUJG016012A	12	0.4	1.12	Y	12	48
CELCUJG018012A	12	1.0	1.12	Y	12	48
CELCUJG019012A	12	3.0	1.12	Y	12	48
CELCUJG020012A	12	8.0	1.12	Y	12	48
CELCUJG017024A	24	0.1	0.33	Y	12	48
CELCUJG016024A	24	0.4	0.33	Y	12	48
CELCUJG018024A	24	1.0	0.33	Y	12	48
CELCUJG019024A	24	3.0	0.33	Y	12	48
CELCUJG020024A	24	8.0	0.33	Y	12	48

Polycarbonate (PC) Membrane Tissue Culture Plate Inserts

Product Code	Pore Size (μm)	Culture Area (cm²)	Suggested Working Volume (mL)	Qty. Per Plate	Qty. Per Case
CELCUJG021024A	0.4	0.47	1.1	24	96