

CELL CULTURE

CellWell Tissue Culture Plate Inserts

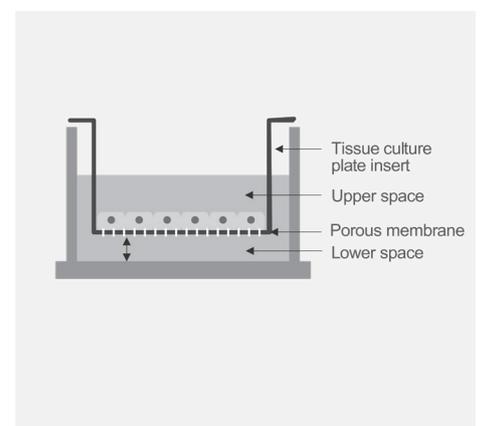
Tissue culture plate inserts are extensively used in a variety of cell tests, including co-culture tests, chemotaxis tests, and cell migration tests. With the membrane technology, cells that grow in vitro are more similar to those growing in vivo in terms of morphology and function. They are also used 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 pore 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
- Excellent 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 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 pore 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.

Polycarbonate (PC) Membrane Tissue Culture Plate Inserts

Ordering information

| Product Code | Well | Pore Size (µm) | Growth Area for Insert Membrane (cm ²) | 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) Membrane Tissue Culture Plate Inserts

Ordering information

| Product Code | Well | Pore Size (µm) | Growth Area for Insert Membrane (cm ²) | 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 (cm ²) | Suggested Working Volume (mL) | Qty. Per Plate | Qty. Per Case |
|----------------|----------------|---------------------------------|-------------------------------|----------------|---------------|
| CELCUJG021024A | 0.4 | 0.47 | 1.1 | 24 | 96 |