

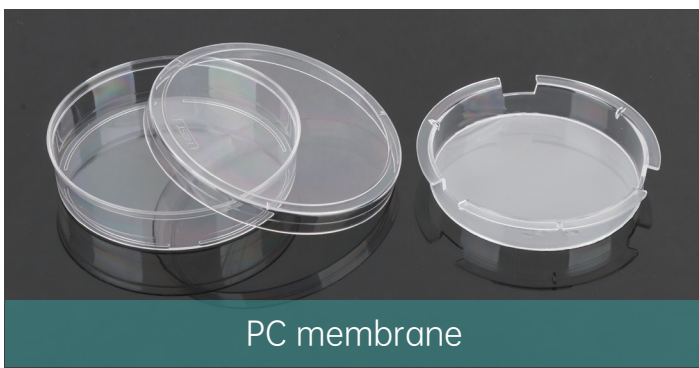
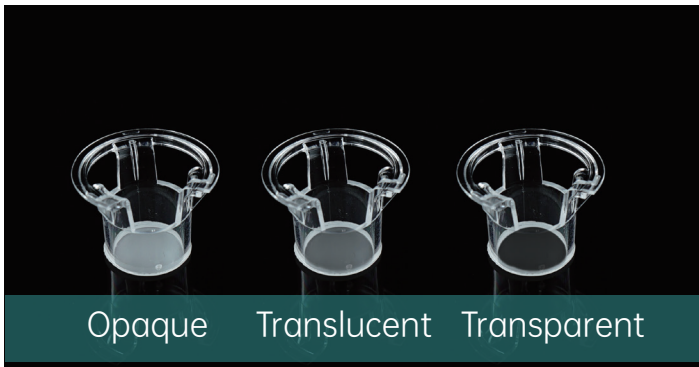
# Cell Culture Insert

## Application

- Tissue culture
- Stem cell research
- Cell biology research
- Cell therapy direction research
- Small-scale cell culture, cell screening
- Biochemistry, medicine, microbiology
- Cytology research in animal and plant and basic medical school
- Serve as a microplate chromogenic reaction plate in research on genetic engineering, antibody engineering drugs, vaccines, etc.

## Main Customers

- Laboratories in various colleges, including life science colleges, animal and plant science colleges, veterinary colleges, clinical basic medical colleges, agricultural colleges, etc.
- Cell biology laboratories, tissue engineering, and antibody engineering enterprises.
- Companies in the fields of immunocytotherapy, stem cells, and medical aesthetics.
- Biological products factories, pharmaceutical factories, dairy product factories, food factories.
- Third-party medical testing laboratories, experimental technology service companies, etc.



## ● Application Directions and Types

| Application   | Cells  | Pore Size of Membrane(μm) |
|---|--|---------------------------|
| ADME (transport and permeation of compounds through the enterocyte barrier)   | Caco-2, MDCK   | 0.4                       |
| Co-culture and cell differentiation, cell imaging   | Primary cells, tumor, stem cells                         | 0.4, 1.0                  |
| Transport and secretion of macromolecules or viruses  |  | 1.0, 3.0                  |
| Co-culture and cell differentiation, cell imaging<br>Cell migration and invasion (angiogenesis) Axonal hyperplasia Co-culture | Endothelial cells, Leukocytes, Neurons                   | 3.0                       |
| Cell migration and invasion   | Lymphocytes, macrophages                                 | 3.0, 5.0                  |
| Tumor cell migration and invasion<br>Hematostaxis or migration through endothelial cells Co-culture                           | Tumor derived cells, Leukocytes<br>Tumor stem cell, MSCs | 8.0                       |

## ● Product Specification



| Specification                            | Insert (Pcs/Plate) | Insert Diameter (mm) | Volume of Each Well (mL) | Inner Volume of Insert (mL) | Membrane Growth Area of Insert (cm <sup>2</sup> ) |                   |
|--|--------------------|----------------------|--------------------------|-----------------------------|---|-------------------|
| 6 Well Plate                             | 6                  | 24                   | 2.6                      | 1.5                         | 4.67  |                   |
| 12 Well Plate                            | 12                 | 12                   | 1.5                      | 0.5                         | 1.12  |                   |
| 24 Well Plate                            | 12                 | 6.5                  | 0.6                      | 0.1                         | 0.33  |                   |
| 100mm Dish                               | 1                  | 75                   | 13                       | 9                           | 44  |                   |
| Pore Size of Membrane (μm)               |                    | 0.4                  | 1.0                      | 3.0                         | 5.0   | 8.0               |
| Membrane Density (Well/cm <sup>2</sup> ) |                    | 1x10 <sup>8</sup>    | 2x10 <sup>7</sup>        | 2x10 <sup>6</sup>           | 4x10 <sup>5</sup>                                 | 1x10 <sup>5</sup> |

## ● Order Information (Insert+Plate Configuration)

Note: The inserts are TC-treated. Please refer to the table below to check if the plates are also TC-treated.

| Pore Size (μm) | Description                             | Packaging |       | PC Membrane  |            |             | PET Membrane |            |             |
|----------------|---|-----------|-------|--------------|------------|-------------|--------------|------------|-------------|
|                |   | /Pack     | /Case | Transparence | TC Treated | Non-Treated | Transparence | TC Treated | Non-Treated |
| 0.4            | 6 Cell Culture Inserts + 6 Well Plate   | 6         | 24    | Opaque       | 723101     | 723111      | Opaque       | 723121     | 723131      |
|                | 12 Cell Culture Inserts + 12 Well Plate | 12        | 48    | Opaque       | 724101     | 724111      | Opaque       | 724121     | 724131      |
|                | 12 Cell Culture Inserts + 24 Well Plate | 12        | 48    | Opaque       | 725101     | 725111      | Opaque       | 725121     | 725131      |
| 1.0            | 6 Cell Culture Inserts + 6 Well Plate   | 6         | 24    | Opaque       | /          | /           | Opaque       | 723421     | 723431      |
|                | 12 Cell Culture Inserts + 12 Well Plate | 12        | 48    | Opaque       | /          | /           | Opaque       | 724421     | 724431      |
|                | 12 Cell Culture Inserts + 24 Well Plate | 12        | 48    | Opaque       | /          | /           | Opaque       | 725421     | 725431      |
| 3.0            | 6 Cell Culture Inserts + 6 Well Plate   | 6         | 24    | Translucent  | 723001     | 723011      | Translucent  | 723021     | 723031      |
|                | 12 Cell Culture Inserts + 12 Well Plate | 12        | 48    | Translucent  | 724001     | 724011      | Translucent  | 724021     | 724031      |
|                | 12 Cell Culture Inserts + 24 Well Plate | 12        | 48    | Translucent  | 725001     | 725011      | Translucent  | 725021     | 725031      |
|                | 100 mm Cell Culture Insert-Dish         | 1         | 10    | Translucent  | 726001     | /           | Translucent  | /          | /           |
| 5.0            | 12 Cell Culture Inserts + 12 Well Plate | 12        | 48    | Translucent  | 724201     | 724211      | Translucent  | /          | /           |
|                | 12 Cell Culture Inserts + 24 Well Plate | 12        | 48    | Translucent  | 725201     | 725211      | Translucent  | /          | /           |
| 8.0            | 6 Cell Culture Inserts + 6 Well Plate   | 6         | 24    | Translucent  | 723301     | 723311      | Transparent  | 723321     | 723331      |
|                | 12 Cell Culture Inserts + 12 Well Plate | 12        | 48    | Translucent  | 724301     | 724311      | Transparent  | 724321     | 724331      |
|                | 12 Cell Culture Inserts + 24 Well Plate | 12        | 48    | Translucent  | 725301     | 725311      | Transparent  | 725321     | 725331      |

## ● Cell Culture Inserts

| Pore Size (μm) | Specification | Description          | Blister Package |       | PC Membrane  |            | PET Membrane |            |
|----------------|---------------|----------------------|-----------------|-------|--------------|------------|--------------|------------|
|                |               |                      | /Pack           | /Case | Transparence | TC Treated | Transparence | TC Treated |
| 0.4            | 6 well        | Cell Culture Inserts | 1               | 48    | /            | /          | Opaque       | 723122     |
|                | 12 well       | Cell Culture Inserts | 1               | 48    | /            | /          | Opaque       | 724122     |
|                | 24 well       | Cell Culture Inserts | 1               | 48    | /            | /          | Opaque       | 725122     |
| 8.0            | 24 well       | Cell Culture Inserts | 1               | 48    | Translucent  | 725302     | /            | /          |