

SPLInsert™ Hanging

(#35006/35106/35206/35024/35124/35224/36006/36106/36206/36024/36124/36224/37006/37106/37206/37024/37124/37224)

1. Description

SPLInsert™ products closely mimic *in vivo* environment, providing improved attachment, growth and differentiation of various cell types. With their permeable property, inserts are convenient and effective tool for diverse research areas such as transportation and invasion studies. Specially selected track-etched membranes of three different pore sizes (0.4, 3.0 and 8.0 μm) are used for SPLInsert™ products. Track-etched membranes ensure precise pore size distribution and consistent pore density, providing well-controlled experimental parameters.

Polycarbonate (PC): stain-free, low background interference

Polyethylene terephthalate (PET): high chemical resistance and low protein binding property

Applicable experiments: invasion, migration, transportation, drug uptake, epithelial polarization, chemotaxis, co-culture, toxicity study and *in vivo* barrier modeling

2. Features

- ❖ Distance from membrane to the bottom of the well: 6well Insert 1.2mm, 24well Insert 1.3mm
- ❖ Nominal membrane thickness: 10 ~ 23 μm
- ❖ Frame material: Polystyrene (PS)
- ❖ Packed in cell culture-treated cell culture plates

3. Functional Test

| | | |
|------------------|---|--------|
| Sterility | : | Passed |
| Cytotoxicity | : | Passed |
| Non-Pyrogenic | : | Passed |
| RNase/DNase Free | : | Passed |
| DNA free | : | Passed |

4. Product Range

| Cat.No. | Type | Membrane | Membrane Pore Size (µm) | Membrane Diameter (mm) | Growth Area (cm ²) | Working Volume (ml) | Optical Properties | Sterile | Packaging |
|---------|----------------------------|----------|-------------------------|------------------------|--------------------------------|---------------------|--------------------|---------|-----------|
| 35006 | 6 Inserts / 6 Well Plate | PC | 0.4 | 24 | 4.52 | 1.5 - 2.5 | Opaque | + | 6/24 |
| 35106 | 6 Inserts / 6 Well Plate | PC | 3.0 | 24 | 4.52 | 1.5 - 2.5 | Translucent | + | 6/24 |
| 35206 | 6 Inserts / 6 Well Plate | PC | 8.0 | 24 | 4.52 | 1.5 - 2.5 | Transparent | + | 6/24 |
| 35024 | 12 Inserts / 24 Well Plate | PC | 0.4 | 6.5 | 0.33 | 0.2 - 0.35 | Opaque | + | 12/48 |
| 35124 | 12 Inserts / 24 Well Plate | PC | 3.0 | 6.5 | 0.33 | 0.2 - 0.35 | Translucent | + | 12/48 |
| 35224 | 12 Inserts / 24 Well Plate | PC | 8.0 | 6.5 | 0.33 | 0.2 - 0.35 | Transparent | + | 12/48 |
| 36006 | 6 Inserts / 6 Well Plate | PET | 0.4 | 24 | 4.52 | 1.5 - 2.5 | Opaque | + | 6/24 |
| 36106 | 6 Inserts / 6 Well Plate | PET | 3.0 | 24 | 4.52 | 1.5 - 2.5 | Translucent | + | 6/24 |
| 36206 | 6 Inserts / 6 Well Plate | PET | 8.0 | 24 | 4.52 | 1.5 - 2.5 | Translucent | + | 6/24 |
| 36024 | 12 Inserts / 24 Well Plate | PET | 0.4 | 6.5 | 0.33 | 0.2 - 0.35 | White | + | 12/48 |
| 36124 | 12 Inserts / 24 Well Plate | PET | 3.0 | 6.5 | 0.33 | 0.2 - 0.35 | Translucent | + | 12/48 |
| 36224 | 12 Inserts / 24 Well Plate | PET | 8.0 | 6.5 | 0.33 | 0.2 - 0.35 | Translucent | + | 12/48 |
| 37006 | 6 Inserts / 6 Well Plate | PET | 0.4 | 24 | 4.52 | 1.5 - 2.5 | Transparent | + | 6/24 |
| 37106 | 6 Inserts / 6 Well Plate | PET | 3.0 | 24 | 4.52 | 1.5 - 2.5 | Transparent | + | 6/24 |
| 37206 | 6 Inserts / 6 Well Plate | PET | 8.0 | 24 | 4.52 | 1.5 - 2.5 | Transparent | + | 6/24 |
| 37024 | 12 Inserts / 24 Well Plate | PET | 0.4 | 6.5 | 0.33 | 0.2 - 0.35 | Transparent | + | 12/48 |
| 37124 | 12 Inserts / 24 Well Plate | PET | 3.0 | 6.5 | 0.33 | 0.2 - 0.35 | Transparent | + | 12/48 |
| 37224 | 12 Inserts / 24 Well Plate | PET | 8.0 | 6.5 | 0.33 | 0.2 - 0.35 | Transparent | + | 12/48 |

5. Certification

SPL Life Sciences hereby certifies that the product identified above, inspected to be in compliance with product quality specification and requirements as documented in our ISO 9001:2008 Quality Management System (K-QA-Q031478) in Korea.

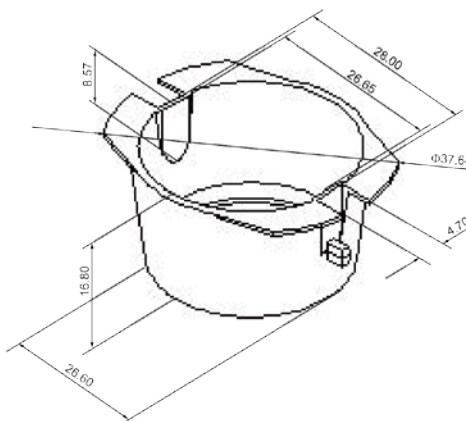
6. Specifications & Technical Drawing

(1) Cell Culture Insert 6 well type (# 35006/35106/35206/36006/36106/36206/37006/37106/37206)

- Specifications

| Membrane | Dimensions | | Material (Resin) | Packaging |
|--|--|--|---|---|
| | Upper | Lower | | |
| Diameter: 25.00 mm Thickness: 7 ~ 10 μm Pore Size: 0.4, 3.0, 8.0 μm | Diameter Outer: 28.00 mm Diameter Inner: 26.65 mm | Diameter Outer: 26.60 mm Diameter Inner: 23.30 mm | <ul style="list-style-type: none"> Membrane: Polycarbonate (PC) or Polyethylene terephthalate (PET) Frame: Polystyrene (PS) | <ul style="list-style-type: none"> Pieces/Sleeve: 6 Pieces/Case: 24 |
| Height: 16.80 mm Growth Area: 4.52 cm^2 Working Volume per Insert: 1.50 ~ 2.50 ml | | | | |

- Technical Drawing

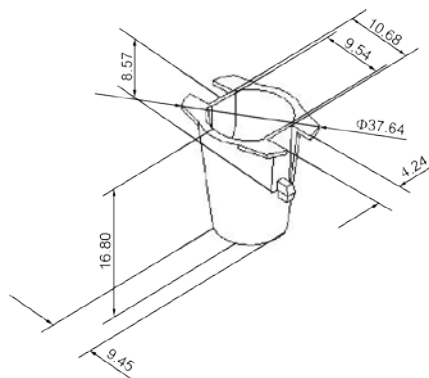


(2) Cell Culture Insert 24 well type (# 35024/35124/35224/36024/36124/36224/37024/37124/37224)

- Specifications

| Membrane | Dimensions | | Material (Resin) | Packaging |
|--|---|--|---|--|
| | Upper | Lower | | |
| Diameter: 6.50 mm Thickness: 7 ~ 10 μm Pore Size: 0.4, 3.0, 8.0 μm | Diameter Outer: 10.68 mm Diameter Inner: 9.54 mm | Diameter Outer: 9.46 mm Diameter Inner: 6.48 mm | <ul style="list-style-type: none"> Membrane: Polycarbonate (PC) or Polyethylene terephthalate (PET) Frame: Polystyrene (PS) | <ul style="list-style-type: none"> Pieces/Sleeve: 12 Pieces/Case: 48 |
| Height: 16.80 mm Growth Area: 0.33 cm^2 Working Volume per Insert: 0.20 ~ 0.35 ml | | | | |

- Technical Drawing



www.spllifesciences.com

For technical assistance, contact SPL R&D Center at:

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To place an order, contact your local distributor or

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SPL-TDS-CCIH

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