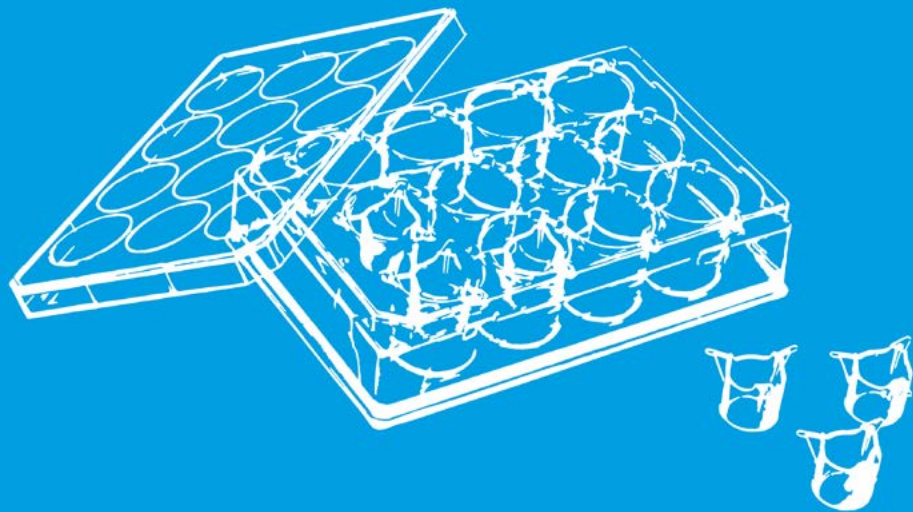


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# INSTRUCTIONS FOR USE



**THINCERT®**

**Plates**

English/ German Version

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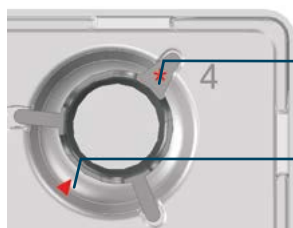
# INSTRUCTION MANUAL (ENGLISH)

## TISSUE CULTURE WITH THINCERT® CELL CULTURE INSERTS:

The ThinCert® Plate is optimised for use with ThinCert® cell culture inserts in tissue culture applications. Inserts occupy an off-center position in the wells of this plate, thus leaving a large opening for pipette access to the lower compartment.

- / Insert ThinCert® cell culture insert with the broad arm corresponding to the right upper notch of the well
- / Use approx. 18 or 4 ml cell culture medium for air-lift-culture in 6 or 12 well plates, respectively
- / For submersed cultivation harmonise medium volumes in the lower and upper compartment

## PRODUCT FEATURES:



Broad arm corresponding to the right upper notch of the well

Large opening for easy pipetting

## SUSPENSION CELL CULTURE:

The ThinCert® Plate does not carry a TC treatment. It is therefore applicable for suspension culture of prokaryotic and eukaryotic cells. Suspension cultures must be performed directly in the wells of the plate without utilising inserts.

- / Maximum filling volumes for static suspension cultures are 30 ml in 6 well plates and 10 ml in 12 well plates
- / Maximum working volumes for shaken suspension cultures must be adapted to the applied shaking rate and may be severely lower than maximum filling volumes

# ARBEITSANLEITUNG (DEUTSCH)

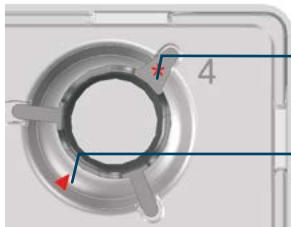
## GEWEBEKULTUR MIT THINCERT® ZELLKULTUREINSÄTZEN:

Die ThinCert® Plate ist eine optimierte Zellkulturplatte für die Anwendung von ThinCert® Zellkultureinsätzen in der Geweberekonstruktion in vitro.

Die Zellkultureinsätze besetzen eine exzentrische Position in den Wells der Platte. Der entstehende Spalt ermöglicht einen guten Zugang zum unteren Kompartiment, zum Beispiel, um Medium auszutauschen.

- / ThinCert® Zellkultureinsätze immer mit dem breiten Arm in die rechte obere Einkerbung des Wellrandes einsetzen
- / In der Air-Lift-Kultur ca. 18 bzw. 4 ml Zellkulturmedium im 6- bzw. 12-Well-Format verwenden
- / In submerser Kultur müssen die Volumina des Zellkulturmediums im oberen und unteren Kompartiment aufeinander abgestimmt werden

## PRODUKTEIGENSCHAFTEN:



Passende Einkerbung für den breiten Arm in der rechten oberen Ecke des Wells

Große Öffnung für vereinfachtes Pipettieren

## SUSPENSIONSKULTUR:

Die ThinCert® Plate trägt keine TC-Behandlung und ist daher für die Suspensionskultur geeignet. Suspensionszellkulturen werden ohne Verwendung von Zellkultureinsätzen direkt in den Wells der Platte durchgeführt.

- / Maximale Arbeitsvolumina für statische Suspensionszellkulturen sind 30 ml im 6-Well-Format und 10 ml im 12-Well-Format
- / Maximale Arbeitsvolumina für geschüttelte Suspensionskulturen sind in Abhängigkeit von der verwendeten Schüttelfrequenz zu bestimmen

## PRODUCT OVERVIEW

### THINCERT® PLATES

#### ThinCert® Plate

##### 6 / 12 Well

Height: 39.5 mm, Length: 129.5 mm, Width: 86.6 mm, Lid: yes, condensation rings

| Item No. | Well format | Working volume (well) | Sterile | Qty. inner / outer |
|----------|-------------|-----------------------|---------|--------------------|
| 657110   | 6           | ≤20 ml                | +       | 1 / 50             |
| 665110   | 12          | ≤4 ml                 | +       | 1 / 60             |

## PRODUCT OVERVIEW

### THINCERT® CELL CULTURE INSERTS

#### ThinCert® Cell Culture Inserts

##### 6 Well

Feature: 4 multiwell plates (Item No. 657160) / box, Height: 16.25 mm, Ø internal: 24.85 mm, Ø external: 27.85 mm, Cultural surface: 452.4 mm<sup>2</sup>, Surface treatment: TC, Working volume (ThinCert®): 1 ml - 3.6 ml, Working volume (well): 2 ml - 4.15 ml

| Item No. | Pore density                           | Ø pore | Optical membrane properties | Sterile | Qty. inner / outer |
|----------|--|--------|-----------------------------|---------|--------------------|
| 657640   | 1 x 10 <sup>8</sup> cm <sup>2</sup>    | 0.4 µm | translucent                 | +       | 1 / 24             |
| 657641   | 2 x 10 <sup>6</sup> cm <sup>2</sup>    | 0.4 µm | clear                       | +       | 1 / 24             |
| 657610   | 2 x 10 <sup>6</sup> cm <sup>2</sup>    | 1 µm   | clear                       | +       | 1 / 24             |
| 657630   | 0,6 x 10 <sup>6</sup> cm <sup>2</sup>  | 3 µm   | clear                       | +       | 1 / 24             |
| 657631   | 2 x 10 <sup>6</sup> cm <sup>2</sup>    | 3 µm   | translucent                 | +       | 1 / 24             |
| 657638   | 0,15 x 10 <sup>6</sup> cm <sup>2</sup> | 8 µm   | translucent                 | +       | 1 / 24             |

## ThinCert® Cell Culture Inserts

### 12 Well

Feature: 4 multiwell plates (Item No. 665180) / box, Height: 16.25 mm, Ø internal: 13.85 mm, Ø external: 15.85 mm, Cultural surface: 113.1 mm<sup>2</sup>, Surface treatment: TC, Working volume (ThinCert®): 0.3 ml - 1 ml, Working volume (well): 1 ml - 2 ml

| Item No. | Pore density                           | Ø pore | Optical membrane properties | Sterile | Qty. inner / outer |
|----------|--|--------|-----------------------------|---------|--------------------|
| 665640   | 1 x 10 <sup>8</sup> cm <sup>2</sup>    | 0.4 µm | translucent                 | +       | 1 / 48             |
| 665641   | 2 x 10 <sup>6</sup> cm <sup>2</sup>    | 0.4 µm | clear                       | +       | 1 / 48             |
| 665610   | 2 x 10 <sup>6</sup> cm <sup>2</sup>    | 1 µm   | clear                       | +       | 1 / 48             |
| 665630   | 0,6 x 10 <sup>6</sup> cm <sup>2</sup>  | 3 µm   | clear                       | +       | 1 / 48             |
| 665631   | 2 x 10 <sup>6</sup> cm <sup>2</sup>    | 3 µm   | translucent                 | +       | 1 / 48             |
| 665638   | 0,15 x 10 <sup>6</sup> cm <sup>2</sup> | 8 µm   | translucent                 | +       | 1 / 48             |

## ThinCert® Cell Culture Inserts

### 24 Well

Feature: 2 multiwell plates (Item No. 662160) / box, Height: 16.25 mm, Ø internal: 8.4 mm, Ø external: 10.4 mm, Cultural surface: 33.6 mm<sup>2</sup>, Surface treatment: TC, Working volume (ThinCert®): 0.1 ml - 0.35 ml, Working volume (well): 0.4 ml - 1.2 ml

| Item No. | Pore density                           | Ø pore | Optical membrane properties | Sterile | Qty. inner / outer |
|----------|--|--------|-----------------------------|---------|--------------------|
| 662640   | 1 x 10 <sup>8</sup> cm <sup>2</sup>    | 0.4 µm | translucent                 | +       | 1 / 48             |
| 662641   | 2 x 10 <sup>6</sup> cm <sup>2</sup>    | 0.4 µm | clear                       | +       | 1 / 48             |
| 662610   | 2 x 10 <sup>6</sup> cm <sup>2</sup>    | 1 µm   | clear                       | +       | 1 / 48             |
| 662630   | 0,6 x 10 <sup>6</sup> cm <sup>2</sup>  | 3 µm   | clear                       | +       | 1 / 48             |
| 662631   | 2 x 10 <sup>6</sup> cm <sup>2</sup>    | 3 µm   | translucent                 | +       | 1 / 48             |
| 662638   | 0,15 x 10 <sup>6</sup> cm <sup>2</sup> | 8 µm   | translucent                 | +       | 1 / 48             |

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