

ThinCert™ Plate

Cell Culture Plate for tissue reconstruction *in vitro*

The *in vitro* reconstruction of many types of epithelia, such as skin, cornea and airway epithelium, requires that the cells differentiate at the air-liquid-interphase (air-lift culture). Therefore the tissue is cultivated in permeable membrane supports (cell culture inserts), with the cell culture medium nourishing the cells from below the membrane and the air exerting its influence from above. If cell culture inserts and conventional cell culture plates are used for air-lift culture, the available volume of culture medium is severely limited. This reduced volume causes a quick exhaustion of the nutrients in the medium and a high frequency of medium changes.

With the ThinCert™ Plate, Greiner Bio-One offers an innovative solution for air-lift culture with ThinCert™ cell culture inserts. The deep wells of this plate allow the application of a larger medium volume during air-lift culture. As a consequence fewer medium changes are required and the amount of manual work is significantly reduced. The novel ThinCert™ Plate incorporates notches for fixing the position of the inserted ThinCert™ cell culture inserts. Thus, the inserts are guaranteed to remain in a stable position during the entire cell culture process.

Key Facts

- Available as 6 well and 12 well plate
- Length x Width: 129.5 x 86.6 mm;
Height: 39.5 mm (6 well);
31.8 mm (12 well)
- Volume in air-lift: 6 well: approx. 20 ml;
12 well: approx. 4 ml
- Deep wells for large medium volume
- Optimised for ThinCert™ inserts
- Notches for fixed insert position



Ordering Information

Cat. No.	Product Description	Quantity per Bag	Quantity per Case
657 110	ThinCert™ Plate, 6 well, sterile, with lid	1	50
665 110	ThinCert™ Plate, 12 well, sterile, with lid	1	60