

Collagen Type I coated ThinCert™ Cell Culture Inserts

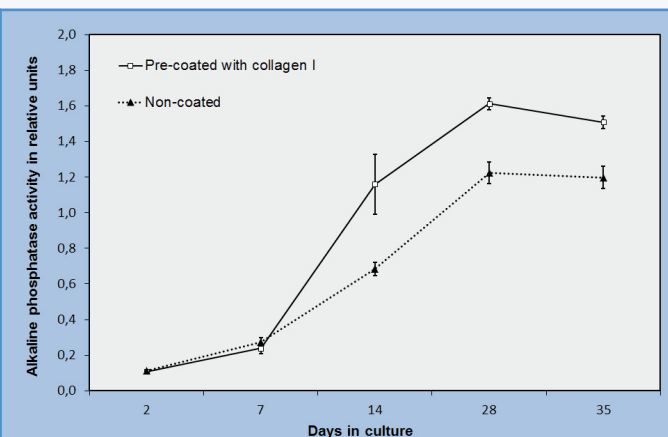
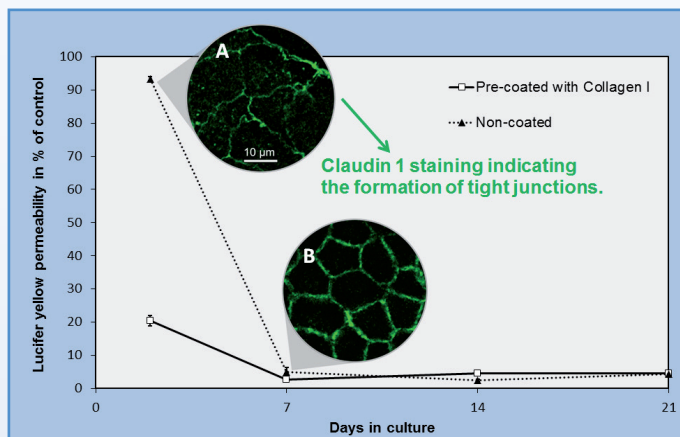
For Improved Results in Organotypic Cell and Tissue Culture

ThinCert™ cell culture inserts with porous PET membranes are versatile tools for the generation of cell-based models for tumor cell invasion, transepithelial transport und paracrine cell-cell interactions. While already the PET membrane with its standard TC treatment provides a superb substrate for adherent cell culture, coating with collagen type I severely enhances cellular growth and differentiation processes.

Greiner Bio-One offers ThinCert™ cell culture inserts coated with collagen type I. The applied industrial coating process assures for a maximum coating quality with minimum batch-to-batch variation. Collagen type I coated ThinCert™ cell culture inserts are suited for a multitude of applications in organotypic culture with enhanced cell growth and differentiation. For example, Caco 2 cells grown on collagen type I coated ThinCert™ for 14 days reveal a differentiation status seen after more than three weeks with non-coated controls. Also the formation of the epithelial barrier is accelerated as seen in the Lucifer Yellow permeability test

Key Facts

- Available in 6 and 24 well format
- Native collagen type I from rat tail
- PET capillary pore membrane
- 0.4 µm pore diameter
- 10⁸ pores / cm²



Caco 2 cells cultivated on collage type I coated ThinCert™ cell culture inserts and non-coated control inserts.

Ordering Information

Cat. No.	Product Description	Quantity per Bag
657 654	ThinCert™ 6 well with Collagen type 1 coating, 6 pieces in one 6 well plate	1 plate , 6 inserts
662 654-06	ThinCert™ 24 well with Collagen type 1 coating, 6 pieces in one 24 well plate	1 plate , 6 inserts
662 654	ThinCert™ 24 well with Collagen type 1 coating, 24 pieces in one 24 well plate	1 plate , 24 inserts

Application Note