

Recommended cell-culture related protocols

- > Transfection of primary epithelial keratinocytes using PEI-based transfection method
- > Isolation of primary human keratinocytes using CnT-PR medium
- > Isolation of primary human mammary epithelial cells using CnT-PR medium
- > Isolation of primary mouse keratinocytes using CnT-07 medium
- > Isolation of primary human airway epithelial cells from a section of trachea using CnT-PR-A medium
- > Isolation of primary human oral epithelial cells using CnT-PR medium
- > Isolation of primary human corneal epithelial cells using CnT-PR medium
- > Isolation of primary human urothelial cells from a bladder biopsy using CnT-PR medium
- > Isolation of primary melanocytes using CnT40 medium
- > Isolation of primary dermal fibroblasts using CnT-PR-F medium
- > Routine 2D culture of primary and long-term cells
- > Aging of keratinocytes with CnT-AG2 medium
- > 2D keratinocytes differentiation with CnT-PR-D
- > Establishment of 3D epidermal keratinocyte cultures using the 3D starter kit PR3D-HPEK-50
- > Establishment of 3D epidermal keratinocyte cultures with CnT-PR-3D medium

- > Establishment of full thickness in vitro skin models at the air-liquid interface in CnT-PR-FTAL
- > Adipogenic differentiation of primary human mesenchymal stem cells using CnT-PR-MSX and CnT-MSXDIFF-AD.S
- > 2D differentiation of large airway epithelial cells using CnT-PR-AD
- > 3D differentiation of large airway epithelial cells using CnT-PR-AD + 1 mM CaCl₂
- > Melanocyte differentiation with CnT-PR-MD and total melanin assay
- > ECM induction with CnT-PR-ECM and total collagen measurement
- > OCT embedding and cryosectioning of 3D epidermal cultures