

Recommended 2D/3D 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-MSC-XF and CnT-MSCDIFF-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**