

Epithelial Cells

PRIMARY CELLS

MEDIA & REAGENTS

CELL BIOLOGY PRODUCTS



Cell Applications, Inc. advantage:

- High purity and low passage
- Rigorous quality control
- Cells from a variety of tissues & species
- Matched sets from the same donor
- Maximum flexibility
- Custom services
- Ready-to-use Total Kits

> 130 published studies on:

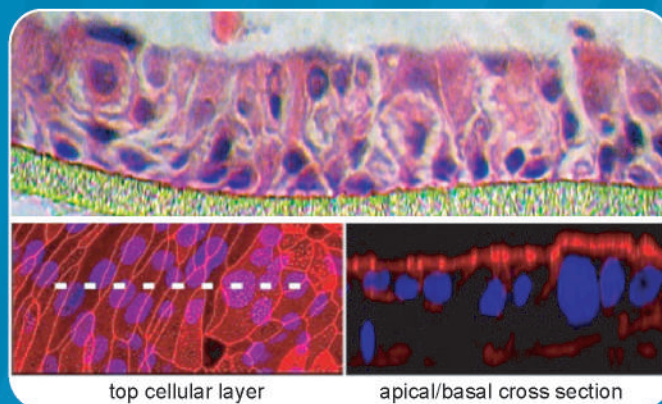
- Epithelial function & disease
- Viral infections & oncogenesis
- Cancer treatment & toxicology
- Pulmonary diseases & smoking
- Cellular senescence & apoptosis
- Stem cell microenvironment
- Tissue repair mechanisms
- Effects of radiation, stress & inflammation
- Primary & immortalized cells comparison

Primary Epithelial Cells

Bladder Epithelial Cells (H)
 Bronchial Epithelial Cells (H)
 Cervical Epithelial Cells (H)
 Corneal Epithelial Cells (H)
 Endometrial Epithelial Cells (B)
 Epidermal Keratinocytes (H, R)
 Mammary Epithelial Cells (H)
 Placental Epithelial Cells (H)
 Prostate Epithelial Cells (H)
 Renal Proximal Tubule Epithelial Cells (H)
 Tracheal Epithelial Cells (H)
 Urethra Epithelial Cells (H)

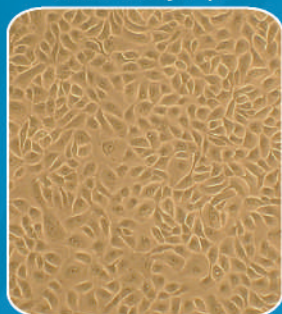
EpC: Epithelial Cells
 H: Human
 B: Bovine, R: Rat

3D Airway model system

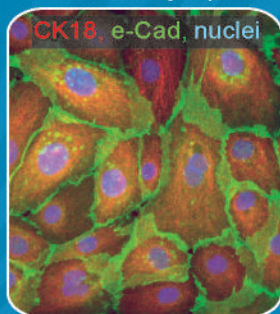


When grown on inserts and provided with the liquid/air interface, Human Bronchial Epithelial Cells (HBEPc) can differentiate into a pseudostratified epithelium and serve as a more physiological 3D tissue model for in vitro studies. Top panel: tissue slice. Bottom panel: confocal micrographs; cells are labeled for actin (red) and nuclei (blue).

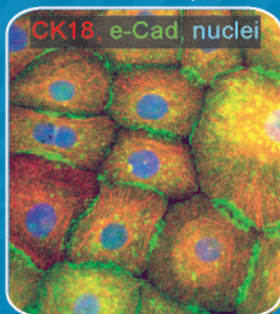
Mammary EpC



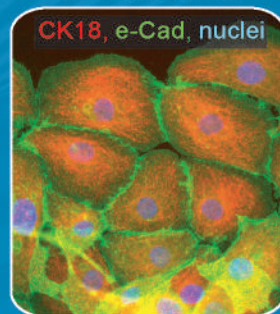
Mammary EpC



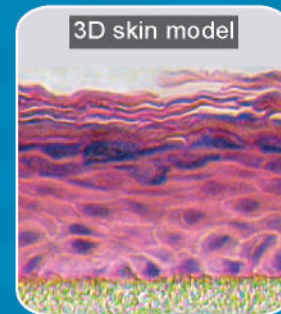
Corneal EpC



Keratinocytes



Keratinocytes



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