

iPS Differentiation and Efficient Isolation

Boost your Stem Cell Research!

Please turn
for more info

Differentiation of iPS and ES cells down epithelial lineages

CELLnTEC media have now been shown to be effective for differentiating both ES and iPS cells down epidermal and corneal lineages, and are already being used in several clinical trials.

Success was obtained using the following chemically defined media:

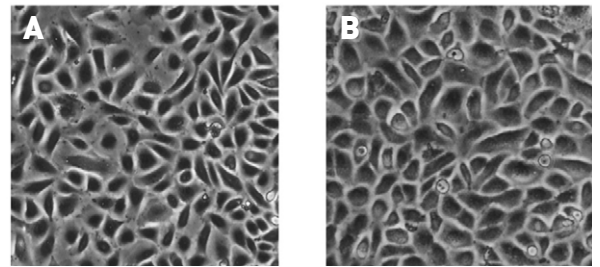
| Cat # | Name | Chem. Defined? |
|--------|---------------------------------------|----------------|
| CnT-07 | Epidermal Keratinocyte Medium | Yes |
| CnT-30 | iPS Epithelial Differentiation Medium | Yes |

The CELLnTEC media offer a range of unique benefits:

- Fully defined, serum and BPE-free
- Easily upgradable for **clinical use**
- Retain highly functional cells (stem cell marker expression, and ability to terminally differentiate)

Order today!

* Mikhailova A. et al. Human pluripotent stem cell-derived limbal epithelial stem cells on bioengineered matrices for corneal reconstruction. *Experimental Eye Research*, 146 (2016) 26-34.



Limbal epithelial stem cells derived from (A) iPS cells, and (B) ES cells, using a protocol based on the CnT-30 medium. Derived cells showed high levels of p63 expression, and the ability to terminally differentiate*. Images courtesy of H. Hongisto & H. Skottman (University of Tampere).

Double Your Isolation Efficiency With IsoBoost

The IsoBoost supplement (#CnT-ISO-50) works by protecting epithelial cells against the significant stress they experience during isolation, due to the enzyme treatments and loss of connection with the adjacent cells.

It is added to the culture medium during the first 3 days of culture. For keratinocytes has been found to deliver:

- **twice as many population doublings** and
- **five-times as many cells**

after one first week in culture in comparison with CnT-PR medium used alone (see graph at right).

Order today!

