

# Endothelial Cell Culture

## In a Clinically Upgradable Culture Medium

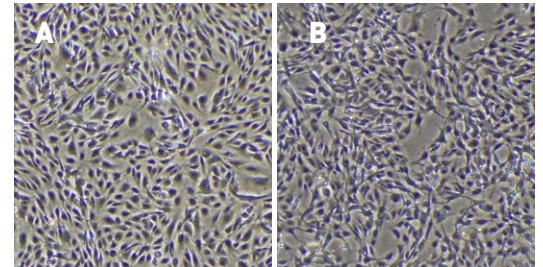
New Product!

### Rapid, Long-Term HUVEC Expansion

The new CnT-Endothelium medium delivers rapid expansion and consistent proliferation over extended passages in a FBS-free, clinically-upgradable formulation.

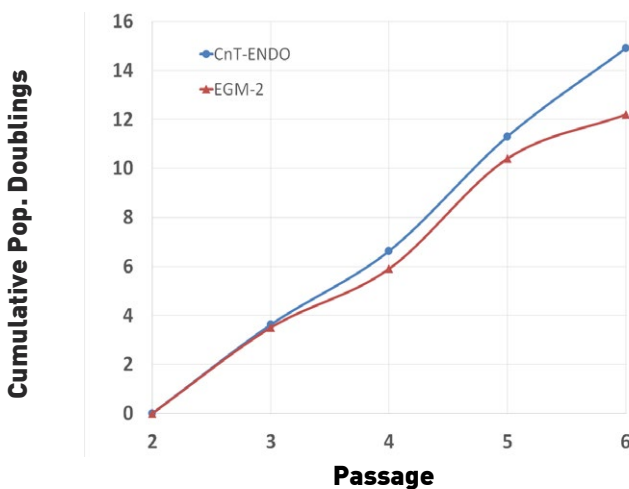
The strong proliferation and extended longevity are obtained without any plate coating. Cells in CnT-Endothelium medium were found to proliferate for at least five additional passages after the point at which growth in a key competitor medium slowed.

Cat #	Name	Upgradable	Coating Needed
CnT-ENDO	CnT-Endothelium Medium	Yes	No



**Long-Term HUVEC expansion in CnT-ENDO medium. (A) Passage 5, (B) Passage 9.**

#### HUVEC Expansion Comparison



#### Unique Benefits of the CnT-Endothelium medium:

- **Free of FBS.** Contains no bovine-derived products
- Upgradable for **clinical applications**
- Coating not required for extended proliferation
- Supplied frozen, fully supplemented, ready to use

Proliferation results are the average of two repeat experiments, each in triplicate. Courtesy of Dr Lorenz Jenny, Schroeder Group, Experimental Haemostasis, University of Bern.

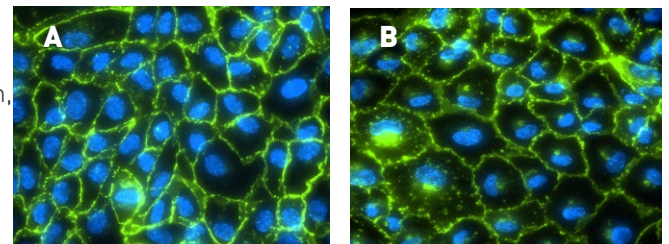
### Marker Expression

VE-Cadherin is a key adherens junction molecule that is specific to endothelial cells. It is involved in vascular homeostasis mechanisms, including contact inhibition of cell growth, migration, blood vessel permeability, and outside-in signalling pathways.

Endothelial cells expanded in CnT-Endothelium medium express VE-Cadherin for extended periods, under both static and flow conditions.

#### Order today!

Marker expression results courtesy of Georgios Stefopoulos, Laboratory of Thermodynamics in Emerging Technologies, ETH Zurich.



#### VE-Cadherin, Passage 4

HUVEC (P4) expanded in CnT-Endothelium medium show correct junctional localization of VE-Cadherin (green), both under (A) static conditions, and (B) flow conditions (1.4 Pa). DAPI nuclear counterstain (blue).

