

# Now! Affordable Endothelial Progenitor Cells for Basic and Translational Research

## **CELLvo™ Human Cord Blood – Endothelial Progenitor Cells (hCB-EPCs)**

With superior colony forming ability, greater vessel formation, and greater angiogenic potential as compared to more common endothelial-type cells (hUVECs) – CELLvo™ hCB-EPCs are the cell of choice for researchers.

- **Highly proliferative**
- **Greater intrinsic vessel formation capacity**
- **Pro-angiogenic**



**When grown on the CELLvo™ Matrix, CELLvo™ hCB-EPCs behave more naturally, allowing researchers greater control of their study.**

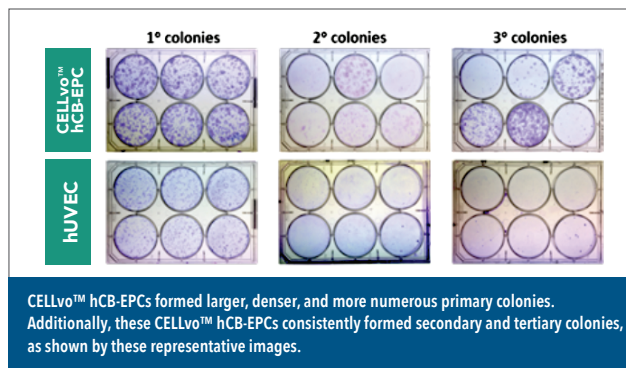
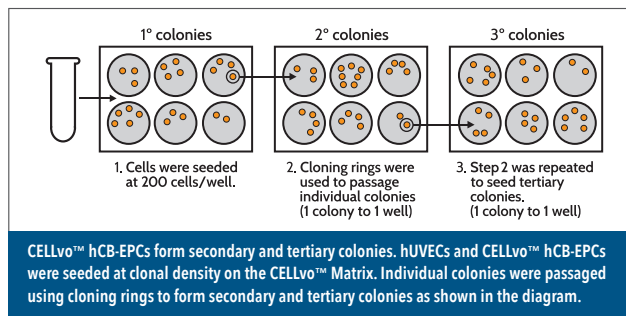
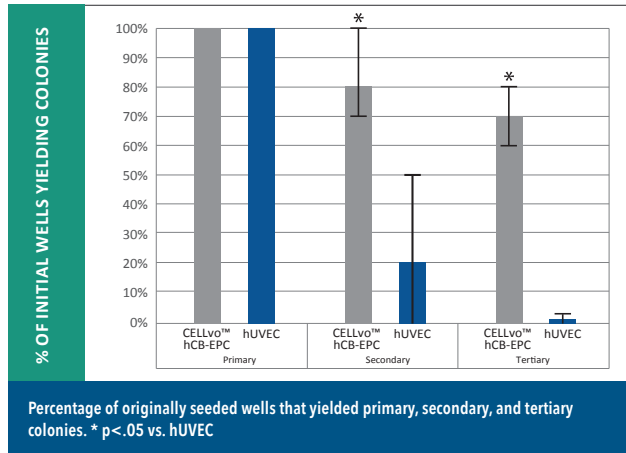
Few in number and difficult to isolate from primary tissues, hCB-EPCs are progenitors of other endothelial cell types. They have important clinical applications in the treatment of ischemic tissues and the vascularization of graft tissues, making these cells especially powerful for research on angiogenesis.

## StemBioSys® CELLvo™ hCB-EPCs

CELLvo™ hCB-EPC is an endothelial progenitor cell isolated from human umbilical cord blood. Isolation and expansion of this rare cell type has been enabled by use of the StemBioSys® CELLvo™ Matrix.

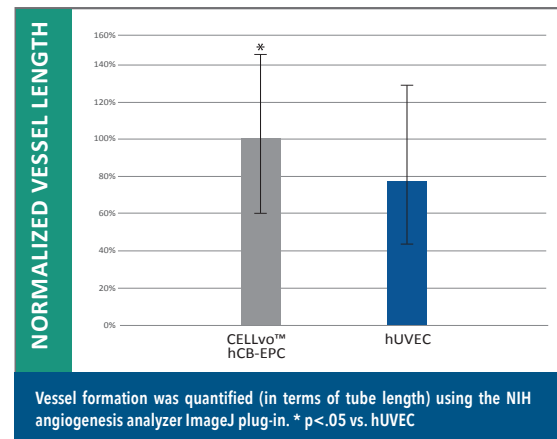
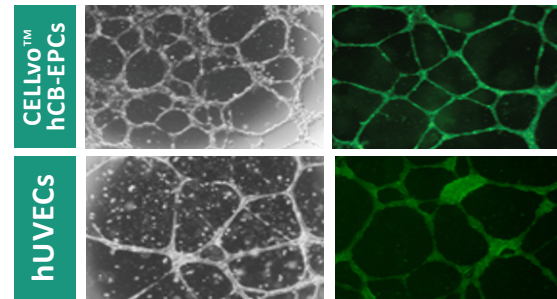
### When compared to human Umbilical Vein Endothelial Cells (hUVECs), CELLvo™ hCB-EPCs form more colonies

Compared to hUVECs, CELLvo™ hCB-EPC primary colonies are larger and more numerous, and go beyond primary colony formation to form secondary and tertiary colonies as well.<sup>1</sup>



### Have greater intrinsic vessel formation

When tested against hUVECs, CELLvo™ hCB-EPCs formed an increase in vessel length of approximately 25%.<sup>1</sup>



### Demonstrate pro-angiogenic cell profiles

CELLvo™ hCB-EPCs provide a conducive environment for the creation of other vessels. Relative to hUVECs, CELLvo™ hCB-EPCs secrete substantially more angiogenic factors, creating a pro-angiogenic environment for neighboring cells.

#### About StemBioSys®

Located in San Antonio, Texas, StemBioSys® Inc. is an emerging biomedical company focused on the isolation, expansion, and delivery of specialized adult stem cells with potential applications in research, diagnostic, and clinical settings. The company is led by a team of industry renowned professionals in business, research, and product development.

<sup>1</sup>Studies on file

This product may be covered in part or in whole by US Patent #'s 8,084,023; 8,388,947; 8,961,955; 9,617,511; EP2414511B1

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for more information

or to purchase CELLvo™ hCB-EPCs, please visit us at [www.CELLvo.com](http://www.CELLvo.com)