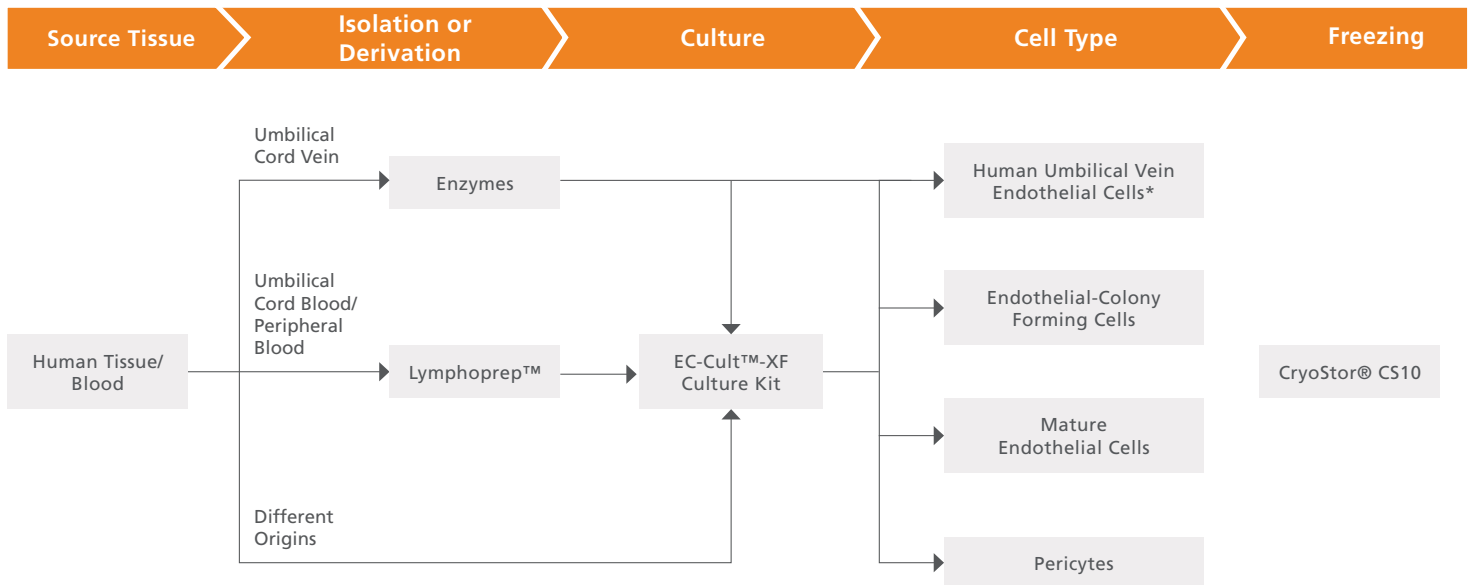


OPTIMIZED ENDOTHELIAL CELL CULTURE WORKFLOW

As organoids and 3D tissue models become more complex, growing them in media alone may not be sufficient to supply them with oxygen and nutrients. In the quest for the most accurate in vitro models for drug discovery, the next generation of 3D tissue models and organoids may require endothelial cells (ECs) to create a vascular system within them. This makes ECs an essential co-culture cell type for creating complex biorelevant models.

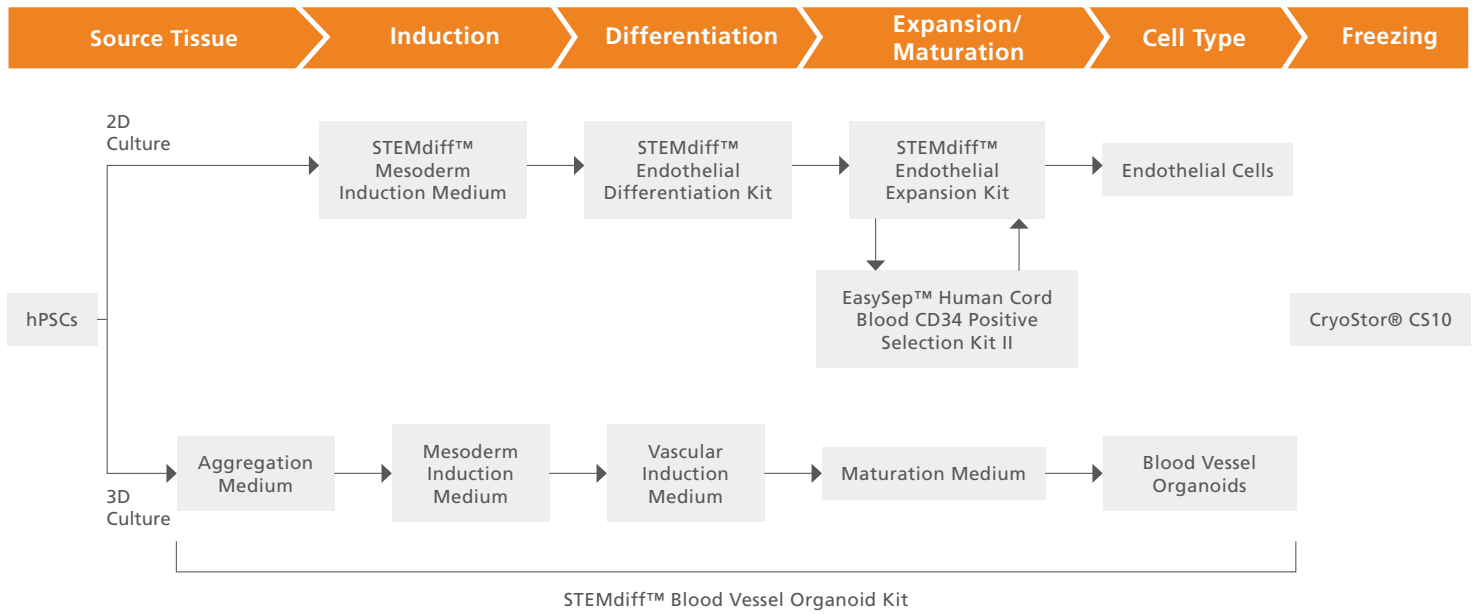
ECs can be derived from human pluripotent stem cells (hPSCs) or isolated directly from tissue or blood for research purposes. At STEMCELL Technologies, we offer products and expertise to support your needs, regardless of your cell source. Whether your lab is new to working with ECs or you're optimizing existing protocols, our products enable simple EC isolation, differentiation, expansion, cryopreservation, and organoid generation.

Complete Product Workflow for Isolating Endothelial Cells from Primary Tissue for Expansion, Cryopreservation, and Cell Culture



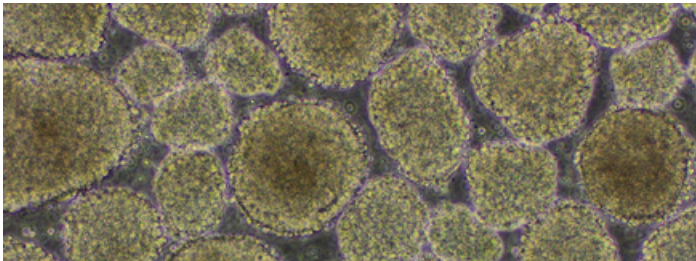
*Available for purchase

Complete Product Workflow for the Generation of Endothelial Cells and Blood Vessel Organoids from Human Pluripotent Stem Cells



*Blood Vessel Organoid Freezing protocol is available upon request.

Blood Vessel Organoid Models

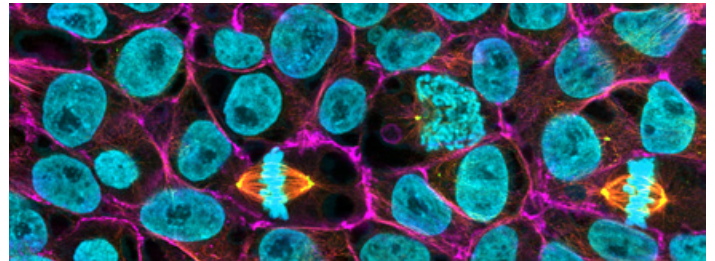


Watch this two-part webinar to learn how endothelial cells or blood vessel organoids with functional microvessels can be derived from hPSCs and used for regeneration studies and disease modeling.



Watch the Webinar
www.stemcell.com/bvo

Tools for hPSC Research



Explore products and services for your entire hPSC workflow, from reprogramming and culture maintenance to genome editing, differentiation, and cryopreservation.



Download the Brochure
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