

## Human primary Endothelial Cells (ECs) and recommended Culture Media

Human Endothelial Cells (ECs)		
Cell Type	Recommended Expansion Media	Specification
<b>Cardiovascular ECs:</b> <u>Artery:</u> <ul style="list-style-type: none"> <li>HPAEC, Pulmonary Artery ECs (<a href="#">#FC-0055</a>)</li> <li>HCAEC, Coronary Artery ECs (<a href="#">#FC-0032</a>)</li> <li>HIAEC, Iliac Artery ECs (<a href="#">#FC-0028</a>)</li> </ul>	Vasculife® VEGF Medium Complete Kit ( <a href="#">#LL-0003</a> )	Vasculife® VEGF Medium Complete Kit contains recombinant human Vascular Endothelial Growth Factor (rh VEGF), which may affect stimulation assays.
<u>Aortic:</u> <ul style="list-style-type: none"> <li>HAOEC, Aortic ECs (<a href="#">#FC-0014</a>)</li> </ul> <b>Umbilical Vein ECs:</b> <ul style="list-style-type: none"> <li>HUVEC, Umbilical Vein ECs, single (<a href="#">#FC-0003</a>)</li> <li>HUVEC, Umbilical Vein ECs, (10 donors pooled) (<a href="#">#FC-0044</a>)</li> </ul>	Vasculife® EnGS Medium Complete Kit ( <a href="#">#LL-0002</a> )	Vasculife® EnGS Medium Complete Kit contains EnGS LifeFactors instead of rh VEGF: <ul style="list-style-type: none"> <li>Ascorbic Acid LifeFactor – 50 µg/mL</li> <li>Hydrocortisone Hemisuccinate LifeFactor – 1 µg/mL</li> <li>FBS LifeFactor – 2%</li> <li>L-Glutamine LifeFactor – 10 mM</li> <li>rh EGF LifeFactor – 5 ng/mL</li> <li>Heparin Sulfate LifeFactor – 0.75 U/mL</li> <li>EnGS LifeFactor – 0.2%</li> </ul>
<b>Microvascular ECs:</b> <ul style="list-style-type: none"> <li>Cardiac Microvascular ECs (<a href="#">#FC-0053</a>)</li> <li>Dermal Microvascular ECs, adult (<a href="#">#FC-0039</a>)</li> <li>HD-MVECN, Dermal Microvascular ECs, neonatal (<a href="#">#FC-0042</a>)</li> <li>Lung Microvascular ECs (<a href="#">#FC-0058</a>)</li> </ul>	Vasculife® VEGF-Mv Medium Complete Kit ( <a href="#">#LL-0005</a> )  Vasculife® EnGS-Mv Medium Complete Kit ( <a href="#">#LL-0004</a> )	Vasculife® VEGF-Mv Medium Complete Kit contains recombinant human Vascular Endothelial Growth Factor (rh VEGF), which may affect stimulation assays.  Vasculife® EnGS-Mv Medium Complete Kit contains EnGS LifeFactors instead of rh VEGF: <ul style="list-style-type: none"> <li>Ascorbic Acid LifeFactor – 50 µg/mL</li> <li>Hydrocortisone Hemisuccinate LifeFactor – 1 µg/mL</li> <li>FBS LifeFactor – 5%</li> <li>L-Glutamine LifeFactor – 10 mM</li> <li>rh EGF LifeFactor – 5 ng/mL</li> <li>Heparin Sulfate LifeFactor – 0.75 U/mL</li> <li>EnGS LifeFactor – 0.2%</li> </ul>
iPSC-derived ECs (from AA) ( <a href="#">#ASE-9744</a> )	This kit includes a specialized cell culture medium to support cell growth and differentiation.	



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