

PromoCell offers human endothelial cells available from large blood vessels and from the microvasculature (MV) and also available from HLA-typed donors. Growth media optimized for each cell type ensure

optimal cell culture performance. Request our options for GMP grade cell culture media for endothelial cells. We offer endothelial cell media and everything you need for your endothelial cell culture application.

Primary cells

Cell type	Description	Catalog no.	Marker	Recommended culture media
Endothelial cells (large vessels)	Human Umbilical Vein Endothelial Cells (HUVEC) single donor	C-12200	CD31 ⁺ DiI-Ac-LDL uptake ⁺	C-22010 C-22011
	Human Umbilical Vein Endothelial Cells (HUVEC) pooled	C-12203	CD31 ⁺ DiI-Ac-LDL uptake ⁺	C-22010 C-22011
	Human Umbilical Vein Endothelial Cells (HUVEC) isolated in Growth Medium 2, single donor	C-12206	CD31 ⁺ DiI-Ac-LDL uptake ⁺	C-22011
	Human Umbilical Vein Endothelial Cells (HUVEC) isolated in Growth Medium 2, pooled	C-12208	CD31 ⁺ DiI-Ac-LDL uptake ⁺	C-22011
	Human Umbilical Vein Endothelial Cells (HUVEC) pre-screened	C-12205	CD31 ⁺ DiI-Ac-LDL uptake ⁺ VEGF response	C-22010 C-22011
	Human Umbilical Artery Endothelial Cells (HUAEC)	C-12202	CD31 ⁺ DiI-Ac-LDL uptake ⁺	C-22010 C-22011
	Human Aortic Endothelial Cells (HAoEC)	C-12271	CD31 ⁺ DiI-Ac-LDL uptake ⁺	C-22020 C-22022
	Human Coronary Artery Endothelial Cells (HCAEC)	C-12221	CD31 ⁺ DiI-Ac-LDL uptake ⁺	C-22020 C-22022
	Human Pulmonary Artery Endothelial Cells (HPAEC)	C-12241	CD31 ⁺ DiI-Ac-LDL uptake ⁺	C-22010 C-22011
	Human Saphenous Vein Endothelial Cells (HSAVEC)	C-12231	CD31 ⁺ DiI-Ac-LDL uptake ⁺	C-22010 C-22011
Endothelial cells (microvascular)	Human Dermal Microvascular Endothelial Cells (HDMEC) juvenile foreskin	C-12210	CD31 ⁺ DiI-Ac-LDL uptake ⁺	C-22020 C-22022
	Human Dermal Microvascular Endothelial Cells (HDMEC) adult donor	C-12212	CD31 ⁺ DiI-Ac-LDL uptake ⁺	C-22020 C-22022
	Human Dermal Microvascular Endothelial Cells (HDMEC) pre-screened	C-12215	CD31 ⁺ DiI-Ac-LDL uptake ⁺ VEGF response	C-22020 C-22022
	Human Dermal Blood Endothelial Cells (HDBEC) juvenile foreskin	C-12211	Podoplanin ⁺ CD31 ⁺	C-22020
	Human Dermal Blood Endothelial Cells (HDBEC) adult donor	C-12225	Podoplanin ⁺ CD31 ⁺	C-22020

Cell type	Description	Catalog no.	Marker	Recommended culture media
Endothelial cells (microvascular)	Human Dermal Lymphatic Endothelial Cells (HDLEC) juvenile foreskin	C-12216	Podoplanin ⁺ CD31 ⁺	C-22022
	Human Dermal Lymphatic Endothelial Cells (HDLEC) adult donor	C-12217	Podoplanin ⁺ CD31 ⁺	C-22022
	Human Cardiac Microvascular Endothelial Cells (HCMEC)	C-12285	CD31 ⁺ Dil-Ac-LDL uptake ⁺	C-22020 C-22022
	Human Pulmonary Microvascular Endothelial Cells (HPMEC)	C-12281	CD31 ⁺ Dil-Ac-LDL uptake ⁺	C-22020 C-22022
	Human Uterine Microvascular Endothelial Cells (HUtMEC)	C-12295	CD31 ⁺ Dil-Ac-LDL uptake ⁺	C-22020 C-22022

Available formats:

- Cryopreserved: Cryogenic vial containing 500,000 viable cells.
- Cell pellet: 1 million cells dissolved in 200µl RNAlater® for subsequent RNA, DNA or protein analysis.
Cell pellets cannot be revived.

Optimized cell culture media



Endothelial Cell Growth Medium MV (C-22020): Low-serum cell culture medium for endothelial cells from microvascular vessels, the coronary artery, and the aorta. Endothelial Cell Growth Medium MV 2 (C-22022) offers a more defined composition (containing i.a. VEGF).



Endothelial Cell Growth Medium (C-22010): Low-serum cell culture medium for endothelial cells from large blood vessels. Endothelial Cell Growth Medium 2 (C-22011) offers a more defined composition (containing i.a. VEGF).

Searching for the optimized medium to culture our large vessel and microvascular endothelial cells?

Find our overview of the corresponding Endothelial Cell Growth Medium for each endothelial cell type on our website.

Please contact us for more information.

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