

Other species and cell types compatible with PromoCell media

Endothelial Cell Growth Medium (+ modifications)
Endothelial Cell Growth Medium 2 (+ modifications)
Endothelial Cell Growth Medium MV (+ modifications)
Endothelial Cell Growth Medium MV2 (+ modifications)



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Endothelial Cell Growth Medium (+ modifications): C-22010, C-22110

Cell type used	Reference
Primary human iliac artery endothelial cells	Riessen et al.; Arterioscler Thromb Vasc Biol. 2001 Jan; 21(1): 47-54
Primary human cavernosal endothelial cells	Pilatz et al.; Eur Urol. 2005 May; 47(5): 710-718
	Pilatz et al.; BJU Int. 2005 Jun; 95(9): 1351-1357
Primary human fetoplacental endothelial cells	George et al.; Cells. 2023 Apr 19; 12(8): 1186
Primary human dermal lymphatic endothelial cell spheroids	Hong et al.; Nat Commun. 2020 Aug 14; 11(1): 4102
Primary human retinal microvascular endothelial cells	Troullinaki et al.; J Cell Mol Med. 2019 Apr; 23(4): 2362-2371
	Korovina et al.; J Innate Immune. 2020; 12(3): 248-256
	Weigelt et al.; Transl Vis Sci Technol. 2022 May 17; 11(5): 18
Primary human PBMC-derived endothelial progenitor cells	Bredenkamp et al.; Stem Cell Reports. 2019 Dec 10; 13(6): 1083-1098
	Béguin et al.; Mol Cell Proteomics. 2020 Jul; 19(7): 1179-1192
Primary human erythrocytes-depleted-whole-blood retrieval	Hildebrand et al.; Antibiotics. 2022 Apr 26; 11(5): 581
Primary human adipose tissue-derived regenerative cells	Dhumale et al.; Sci Rep. 2023 Sep 1; 13(1): 14401
Primary human differentiated pericytes derived from iPSC	Jamieson et al.; Fluids Barriers CNS. 2019 Jun 6; 16(1): 15
Primary human endothelial cells derived from iPSC	Cho et al.; JCI Insight. 2020 Mar 26; 5(6): e131828
	Macklin et al.; NPJ Regen Med. 2022 May 12; 7(1): 28
Human adipose tissue explants	Meehan et al.; Sci Rep. 2020 Feb 6; 10(1): 2058
	Rouault et al.; Diabetologia. 2021 Jan; 64(1): 240-254
Primary human subcutaneous preadipocytes	Pflimlin et al.; Cell Metab. 2018 Aug 7; 28(2): 217-227
Primary human bone marrow-derived hepatocyte-differentiated MSC	Nickel et al.; NPJ Regen Med. 2021 Dec 3; 6(1): 84
Primary human thrombocytes	Nickel et al.; NPJ Regen Med. 2021 Dec 3; 6(1): 84
Primary human corneal endothelial cells	Schulz et al.; Differentiation. 2013 Jun; 85(4-5): 161-172
Primary human CD31 ⁺ CD45 ⁻ endothelial progenitor cells (from umbilical cord)	Abaci et al.; Am J Physiol Cell Physiol. 2010 Jun; 298(6): C1527-1537
Human early vascular cells derived from iPSC	Shen et al.; Biomaterials. 2016 Sep; 102: 107-119
Primary murine hepatocytes	Nickel et al.; NPJ Regen Med. 2021 Dec 3; 6(1): 84
Primary murine CD31 ⁺ (BALB/c mice)	Gehrmann et al.; PLoS One. 2012; 7(7): e41341

Cell type used	Reference
Primary choroid-sclera complex from mice	Hagbi-Levi et al.; J Immunol Res. 2019 Aug 5; 2019: 8535273
	Elbaz-Hayoun et al.; Mol Vis. 2019 Sep 5; 25: 479-488
	Hagbi-Levi et al.; Mol Vis. 2021 Nov 19; 27: 622-631
Primary murine aortic endothelial cells	Zernecke et al.; Sci Signal. 2009 Dec 8; 2(100): ra81
Primary rat pulmonary artery endothelial cells	Kähler et al.; Respir Res. 2007 Jul 9; 8(1): 50
Primary rat sinusoidal liver endothelial cells (liver)	Kordes et al.; Cell Physiol Biochem. 2013; 31(2-3): 290-304
Primary rat dermal papilla and sheath cells (cells of neural crest origin located in the dermal papilla)	Bell et al.; Stem Cell Dev. 2012 Nov 1; 21(16): 3019-3030
High endothelial venule (HEV) cells from rat lymph nodes	Müller et al.; J Immunol. 2013 Apr 15; 190(8): 4360-4370
Primary bovine endothelial cells from retinal capillaries	Carbajo-Lozoya et al.; Cell Signal. 2012 Jun; 24(6): 1261-1269
Primary porcine valvular endothelial cellsline)	da Silva et al.; Sci Adv. 2024 May 17; 10(20): eadl0633
Primary dog vascular endothelial cells (from Beagles)	Sagban et al.; Advanced Engineering Materials. 2011 Dec; 13(12): B518-B528
Primary caprine umbilical vein endothelial cells	Ruiz et al.; Vet Parasitol. 2010 Oct 11; 173(1-2): 2-10
	Pérez et al.; Parasitol Int. 2015 Oct; 64(5): 471-477
hCMEC/D3 (immortalized human brain microvascular endothelial cell line)	Kumar et al.; J Neurosci. 2020 Feb 26; 40(9): 1943-1955
	Hänsch et al.; Neuro Oncol. 2023 Jun 19; 25(11): 2001-2014
AS-M.5 (human endothelial cell line derived from skin cancer)	Muturi et al.; PLoS One. 2013 Sep 11; 8(9): e74654
HMVEC (immortalized cell line derived from human microvascular endothelial cells)	Philipp et al.; Int J Mol Med. 2005 Feb; 15(2): 299-303
HUVEC-hTERT (hTERT-immortalized human endothelial cell line)	Baumer et al.; Cell Mol Life Sci. 2010 Jul; 67(14): 2451-2465
CI-huVEC (immortalized human umbilical vein endothelial cell line)	Much et al.; Front Mol Biosci. 2021 Jul 9; 8: 622547
TeloHAEC (immortalized human aortic endothelial cell line; ATCC CRL-4052)	Fébrissy et al.; Thernostics. 2024 Jan 1; 14(1): 249-264
AS-M (human cutaneous scalp endothelial cell line)	Loh et al.; Commun Biol. 2023 Apr 27; 6(1): 461
HUVEC-CS (permanent immortalized human endothelial cell line; ATCC CRL-2873)	Jhanji et al.; Br J Ophtalmol. 2011 Sep; 95(9): 1309-1315
EA.hy926 (immortalized human umbilical vein endothelial cell line; ATCC CRL-2922)	Politz et al.; Biochem J. 2002 Feb 15; 362(Pt 1): 155-164

Cell type used	Reference
HBMEC (immortalized human bone marrow endothelial cell line)	Willhauck-Fleckenstein et al.; Angiogenesis. 2010 Mar; 13(1): 25–42
	Devarapu et al.; Int J Cancer. 2016 Jun 15; 138(12): 2963–2973
HMEC-1 (immortalized human dermal microvascular endothelial cell line; ATCC CRL-3243) and CDC/EU.HMEC-1 (human microvascular endothelial cell line)	Politz et al.; Biochem J. 2002 Feb 15; 362(Pt 1): 155–164
PMVEC (established human pulmonary microvascular endothelial cell line)	Austin et al.; Biol Sex Differ. 2012 Feb 20; 3(1): 6
HUE cells (spontaneously immortalized human endothelial cell line)	Jogireddy et al.; ChemMedChem. 2010 May 3; 670–673
Bb.End.3 cells (immortalized murine brain endothelial cell lines; ATCC CRL-2299)	Al-Hilal et al.; J Clin Invest. 2016 Apr 1; 126(4): 1251–1266

Endothelial Cell Growth Medium 2 (+ modifications): C-22011, C-22111

Cell type used	Reference
Primary human endothelial (progenitor) cells from PBMC	Zhou et al.; BMC Cardiovasc Disord. 2020 Sep 7; 20(1): 403
	Saberianpour et al.; Adv Pharm Bull. 2021 Jan; 11(1): 163–170
	Wang et al.; Mar Drugs. 2021 Mar 29; 19(4): 194
	Tu et al.; Mol Cell Endocrinol. 2021 Dec 1; 538: 111455
	Ohmes et al.; Carbohydr Polym. 2022 Jun 15; 286: 119286
	Ohmes et al.; Mar Drugs. 2022 Jun 18; 20(6): 402
Primary human proangiogenic cells isolated from PBMC	Tamara et al.; Stem Cell Res Ther. 2021 May; 12(1): 249
Primary human amnion-derived MSC	Vonbrunn et al.; Front Bioeng Biotechnol. 2020 Dec 16; 8: 604123
Primary human endothelial cells derived from MSC	Zhang et al.; Int J Mol Sci. 2020 Aug 27; 21(17): 6210
Primary human endothelial cells derived from iPSC	Wiseman et al.; SLAS Discov. 2019 Mar; 24(3): 264–273
	Wang et al.; Sci Adv. 2020 Jul 24; 6(30): eaba7606
	Hildebrandt et al.; Stem Cell Rev Rep. 2021 Jun; 17(3): 1039–1052

Cell type used	Reference
Primary human endothelial cells derived from iPSC	Malik et al.; J Clin Invest. 2022 Feb 1; 132(3): e141573
	Waqas et al.; Clin Transl Med. 2022 Jul; 12(7): e931
	Gravina et al.; Nat Biotechnol. 2023 May; 41(5): 717-727
	Pham et al.; EMBO Mol Med. 2024 Nov; 16(11): 2827-2855
Primary human cardiac-MSC-like cells	Oldershaw et al.; Stem Cell Dev. 2019 May 1; 28(9): 593-607
Primary human sweat gland-derived stem cells	Danner et al.; J Invest Dermatol. 2012 Jun; 132(6): 1707-1716
Primary human stromal vascular fraction derived from adipose tissue	Muller et al.; Sci Rep. 2019 May 10; 9(1): 7250
	Escudero et al.; Adv Sci. 2023 Nov; 10(31): e2301499
Primary human fibroblasts from oral mucosa	Peters et al.; Biomedicines. 2022 Mar 18; 10(3): 700
Primary human valve endothelial cells from aortic valve cusps	Latif et al.; Front Cardiovasc Med. 2022 Mar 17; 9: 793666
Primary human liver sinusoidal endothelial cells	Werner et al.; PLoS One. 2015 Sep 25; 10(9): e0138655
	Li et al.; Emerg Microbes Infect. 2022 Dec; 11(1): 616-628
	Karg et al.; Mol Cancer Res. 2022 Aug 5; 20(8): 1320-1336
Primary human adipose microvascular endothelial cells	Mylvaganam et al.; Cell Rep. 2020 Jun 23; 31(12): 107798
Primary human saphenous vein endothelial cells	Blanquer et al.; Nanomaterials. 2021 Feb 11; 11(2): 457
Primary human saphenous vein pericytes	Carrabba et al.; Adv Funct Mater. 2023 Nov 3; 34(7): adfm.202300621
Primary human CD34- pericyte precursor cells	Majumder et al.; J Tissue Eng.; 2024 Feb 14; 15: 20417314241230633
Primary human cardiac pericytes	Avolio et al.; Clin Sci. 2021 Dec 22; 135(24): 2667-2689
Primary human glomerular (microvascular) endothelial cells	Ishahak et al.; Front Bioeng Biotechnol. 2020 Nov 12; 8: 581163
	Lamarthée et al.; Nat Commun. 2023 Jul 19; 14(1): 4359
Human brain microvascular endothelial cells	Niego et al.; PLoS One. 2017 May 16; 12(5): e0177332
	Huang et al.; Commun Biol. 2021 Jan 29; 4(1): 145
Primary pregnant human myometrial endothelial cells	Asif et al.; Reprod Sci. 2023 Jan; 30(1): 124-134
	Barnett et al.; J Physiol. 2023 May; 601(9): 1675-1690

Cell type used	Reference
Human prostate-derived CD31 ⁺ blood vessel endothelial cells	McGovern et al.; Cancers. 2018 Nov 13; 10(11): 438
3D human iPSC-derived cardiac microencapsulated microtissue	Abecasis et al.; Front Bioeng Biotechnol. 2020 Nov 5; 8: 580744
Differentiated organoids derived from human beige/brown-like adipose progenitors	Reverte-Salisa et al.; Nat Cell Biol. 2024 Jan; 26(1): 113–123
Primary porcine endothelial progenitor cells from peripheral blood and/or from bone marrow	Luo et al.; Crit Care. 2009; 13(4): R118
	Luo et al.; Mediators Inflamm. 2019 Apr 17: 8297391
	Mathur et al.; Lab Chip. 2019 Jul 23; 19(15): 2500–2511
Primary murine lung endothelial cellsx	Genet et al.; Nat Commun. 2019 May 28; 10(1): 2350
	Galaris et al.; Int J Mol Sci. 2021 Aug 19; 22(16): 8948
	Dadwal et al.; Int J Mol Sci. 2021 Oct 14; 22(20): 11097
	Moraes de Lima Perini et al.; Front Endocrinol. 2022 Aug 31; 13: 935391
	Martinez Lagunas et al.; Sci Adv. 2023 Jul 28; 9(30): eadq2829
	Nivoit et al.; Cell Mol Life Sci. 2023 Jul 18; 80(8): 210
	Akamine et al.; FEBS Open bio. 2024 Jun; 14(6): 906–921
Primary murine endothelial progenitor cells derived from bone marrow hematopoietic stem cells	Tu et al.; Biochem Biophys Res Commun. 2023 Jan 29; 642: 11–20
Primary murine liver endothelial cells	Galaris et al.; Int J Mol Sci. 2021 Aug 19; 22(16): 8948
	Akamine et al.; FEBS Open bio. 2024 Jun; 14(6): 906–921
Primary murine microvascular endothelial cells from brain	Álvarez-Aznar et al.; Transgenic Res. 2020 Feb; 29(1): 53–68
	Amodeo et al.; Dev Cell. 2023 May 22; 58(10): 836–846
Primary murine aortic endothelial cells	Donato et al.; Cell Rep. 2020 Sep 8; 32(10): 108105
	Yamada et al.; Sci Rep. 2022 May 4; 12(1): 7226
	Li et al.; Nat Commun. 2023 Sep 11; 14(1): 5595
Primary murine proximal tubule epithelial cells isolated from renal cortices	Pérez-Martí et al.; Elife. 2022 May 12; 11: e74391

Cell type used	Reference
Primary murine pulmonary microvascular endothelial cells	Herkenne et al.; Cell Metab. 2020 May 5; 31(5): 987-1003
Primary murine brain pericytes	Ando et al.; Dev Cell. 2022 Jun 6; 57(11): 1383-1399
Primary murine brain capillaries	Velmurugan et al.; Fluids Barriers CNS. 2024 Oct 15; 21(1): 81
Primary murine cardiac stromal cells (cM- SCs), differentiated into ECs	Martini et al.; Aging Cell. 2019 Oct; 18(5): e13015
Primary murine endothelial cells derived from iPSC	Deuse et al.; J Exp Med. 2021 Mar 1; 218(3): e20200839
	Gravina et al.; Nat Biotechnol. 2023 May; 41(5): 717-727
	Gravina et al.; Cell Stem Cell. 2023 Nov 2; 30(11): 1538-1548
Multipotent adult germline stem cells (maGSCs) from mouse testis	Cheng et al.; J Vasc Res. 2012; 49(3): 207-220
Primary endothelial cells from sheep external jugular vein	Walawalkar et al.; Prog Biomater. 2019 Sep; 8(3): 197-210
TIME (hTERT-immortalized human dermal microvascular endothelial cell line)	Delgado et al.; PLoS Pathog. 2012; 8(8): e1002866
Human transformed astrocytes (from fetal brain)	Niego et al.; PLoS One. 2017 May 16; 12(5): e0177332
IMFE-1 (immortalized human Fabry endothelial cell line)	Marchesan et al.; J Inherit Metab Dis. 2012 Nov; 35(6): 1107-1117
HPMEC-ST1.6R (immortalized human pulmonary microvascular endothelial cell line)	Thom et al.; Cell Physiol Biochem. 2013; 32(2): 355-366
SV40-immortalized rat portal vein endothelial cells (control and cirrhotic rats)	Ribera et al.; PLoS One. 2019 Jun 24; 14(6): e0218716
HUEhT-1 (immortalized human umbilical vein endothelial cell line)	Nakagawa et al.; J Cancer Res Clin Oncol. 2022 Dec; 148(12): 3281-3292
hTERT-HUVEC (hTERT-immortalized human umbilical vein endothelial cell line)	Zhou et al.; J Extracell Vesicles. 2023 Jun; 12(6): e12327
	Wu et al.; Cell Death Dis. 2023 Oct 18; 14(10): 688
hTERT neonatal dermal microvascular endothelial cells (ATCC CRL-4060)	Cerdà et al.; Eur J Intern Med. 2024 Jan;; 119: 99-108
HuAR2T (immortalized human umbilical vein endothelial cell line)	Le Joncour et al.; EMBO Mol Med. 2019 Jun; 11(6): e9034
HuARLT (immortalized human endothelial cells)	Lee et al.; Front Microbiol. 2023 Jul 13; 14: 1202993
EC-RF24 (immortalized human umbilical vein endothelial cell line)	Mylvaganam et al.; Cell Rep. 2020 Jun 23; 31(12): 107798

Cell type used	Reference
Immortalized endothelial cells from the portal vein of rats	Ribera et al.; PLoS One. 2019 Jun 24; 14(6): e0218716
BC1 hiPSC (human iPSC, differentiation into early vascular cells)	Smith et al.; Cell Rep. 2018 Jul 24; 24(4): 895–908
C12 hiPSC (human iPSC, differentiation into early vascular cells)	Smith et al.; Cell Rep. 2018 Jul 24; 24(4): 895–908
hCMEC/D3 (immortalized human brain microvascular endothelial cell line)	Taylor et al.; Int J Mol Sci. 2022 Apr 20; 23(9): 4568
	De Gaetano et al.; Mol Microbiol. 2022 Jun; 117(6): 1479–1492
	Ozgür et al.; Fluids Barriers CNS. 2023 Dec 19; 20(1): 96
	Bonvicini et al.; Anal Biochem. 2024 Mar; 686: 115406
	Petralla et al.; Mol Neurobiol. 2024 Sep; 61(9): 6383–6394
	Coppolino et al.; mBio. 2024 Sep 11; 15(9): e0197524

Endothelial Cell Growth Medium MV (+ modifications): C-22020, C-22120

Cell type used	Reference
Primary human internal thoracic (= mammary) artery cells	Zengin et al.; Development. 2006 Apr; 133(8): 1543–1551
Primary human preadipocytes	Bossart et al.; Cell Metab. 2022 Jan 4; 34(1): 59–74
Primary human liver sinusoidal endothelial cells	Kaden et al.; Sci Rep. 2023 Aug 16; 13(1): 13338
Primary human renal glomerular endothelial cells	Béland et al.; J Thromb Haemost. 2017 May; 15(5): 1020–1031
	Clotet-Freixas et al.; J Am Soc Nephrol. 2020 Nov; 31(11): 2705–2724
Primary human fetoplacental endothelial cells	Leopold et al.; Histochem Cell Biol. 2019 Nov; 152(5): 377–390
	Atallah et al.; Int J Mol Sci. 2021 Nov 7; 22(21): 12048
	Strutz et al.; Int J Mol Sci. 2021 Dec 13; 22(24): 13378
Primary human abdominal aortic endothelial cells	Jahnsen et al.; PLoS One. 2015 Apr 1; 10(4): e0122622

Cell type used	Reference
Primary human intestinal microvascular endothelial cells	Norrmén et al.; Blood. 2010 Jan 28; 115(4): 906–909
	Nowacki et al.; Br J Pharmacol. 2016 Sep; 173(18): 2780–2792
Primary human retinal endothelial cells	Farjo et al.; Mol Cell Biol. 2012 Dec; 32(24): 5103–5115
	Wang et al.; Invest Ophthalmol Vis Sci. 2014 May 20; 55(6): 3820–3832
	Du et al.; Mol Vis. 2017 Mar 31; 23: 185–197
Primary human brain microvascular endothelial cells	Walsh et al.; J Cell Physiol. 2011 Nov; 226(11): 3053–3063
	Collenburg et al.; Front Immunol. 2017 Aug 21; 8: 1007
Primary endothelial cells from human adipose tissue	Sengenès et al.; Stem Cells. 2007 Sep; 25(9): 2269–2276
	Briot et al.; Arterioscler Thromb Vasc Biol. 2018 Mar; 38(3): 1134–1146
	Miran et al.; Front Oncol. 2020 Aug 21; 10: 1506
Primary human microvascular endothelial cells from pancreatic tumor tissue	Issa et al.; J Mol Med. 2009 Jan; 87(1): 99–112
Primary human cerebral cavernous malformations-derived endothelial cells	Zhu et al.; Neurosurgery. 2011 Sep; 69(3): 722–731
Primary human prostate microvascular endothelial cells (from benign prostatic hyperplasia)	Aweimer et al.; Prostate Cancer Prostatic Dis. 2012 Jun; 15(2): 157–164
Primary human choroidal endothelial cells	Palanisamy et al.; BMC Res Notes. 2019 May 30; 12(1): 307
Primary rat aorta endothelial cells	Lips et al.; J Histochem Cytochem. 2003 Dec; 51(12): 1645–1654
Primary rat lung microvascular endothelial cells	Lips et al.; J Histochem Cytochem. 2003 Dec; 51(12): 1645–1654
Primary rat forebrain microvascular endothelial cells	Lips et al.; J Histochem Cytochem. 2003 Dec; 51(12): 1645–1654
Primary murine aortic endothelial cells	Darrow et al.; ISRN Endocrinol. 2013 Jun 11; 2013: 165397
Primary murine endothelial cells from skeletal muscle vasculature (mixture of arterial, venous, and lymphatic ECs)	Darrow et al.; ISRN Endocrinol. 2013 Jun 11; 2013: 165397
Primary murine brain microvascular endothelial cells	Chatterjee et al.; Cells. 2020 Oct 19; 9(10): 2324
Primary murine endothelial cells cultured in spheroids	Gotthardt et al.; Cancer Discov. 2016 Apr; 6(4): 414–429
Murine carotid arteries for <i>ex vivo</i> reendothelialization	Zahreddine et al.; Circ Res. 2020 Dec 4; 127(12): 1473–1487

Cell type used	Reference
Primary murine pulmonary endothelial cells (CD146 ⁺)	Blythe et al.; J Biol Chem. 2019 Nov 15; 294(46): 17395–17408
Primary murine lung (microvascular) endothelial cells	Phng et al.; Dev Cell. 2009 Jan; 16(1): 70–82
	Klein et al.; Antioxid Redox Signal. 2017 Apr 10; 26(11): 563–582
Microvascular fragments isolated from the epididymal fat pads of mice	Laschke et al.; Eur Cell Mater. 2015 Mar 20: 190–200
	Grässer et al.; Eur Cell Mater. 2016 Jul 8; 32: 74–86
Organ culture of murine arterial vessel segments (aorta, carotid)	Rottiers et al.; J Cell Sci. 2009 Dec 1; 122(Pt 23): 4311–4318
Primary bovine retinal microvascular endothelial cells	Baldysiak-Figiel et al.; J Endocrinol. 2004 Mar; 180(3): 417–424
Primary bovine aortic endothelial cells (BAEC)	Billottet et al.; Eur J Cell Biol. 2008 Sep; 87(8–9): 543–554
	Rottiers et al.; J Cell Sci. 2009 Dec 1; 122(PT 23): 4311–4318
	Daubon et al.; Mol Cell Biol. 2011 Nov; 31(22): 4430–4441
	Juin et al.; Mol Biol Cell. 2012 Jan; 23(2): 297–309
Pancreatic islet endothelial cells from sheep fetuses	Rozance et al.; Diabetes. 2015 Feb; 64(2): 555–564
Primary aortic valve endothelial cells from sheep	Immohr et al.; Bioengineering. 2023 Jun 30; 10(7): 787
HMEC-1 (immortalized human dermal microvascular endothelial cell line; ATCC CRL-3243)	Wetzel et al.; J Invest Dermatol. 2006 Feb; 126(2): 441–452
	Tsai et al.; J Virol. 2009 Jan; 83(2): 622–632
	Brauer et al.; BMC Biochem. 2011 Jul 25; 12: 38
	Wu et al.; Blood. 2011 Sep 8; 118(10): 2896–2905
	Hsieh et al.; PLoS One. 2013 Aug 22; 8(8): e72604
	Xing et al.; PLoS One. 2013 Dec 23; 8(12): e85032
	Chang et al.; BMC Syst Biol. 2016 Jan 11; 10 Suppl 1(Suppl 1):1
BMEC-1 (semi-immortalized human bone marrow-derived endothelial cell line; ATCC CRL-3421)	Babatunde et al.; Sci Rep. 2018 Jan 17; 8(1): 884
ISO-HAS-1 (human hemangiosarcoma cell line)	Unger et al.; Microvasc Res. 2002 Nov; 64(3): 384–397

Cell type used	Reference
ISO-HAS-B (human skin angiosarcoma cell line)	Riddell et al.; Nat Commun. 2018 Dec 17; 9(1): 5357
AS-M (human cutaneous scalp endothelial cell line)	Ern et al.; Open Biomed Eng J. 2010; 4:190–198
	Riddell et al.; Nat Commun. 2018 Dec 17; 9(1): 5357
	Weidema et al.; J Cancer Res Clin Oncol. 2021 Sep; 147(9): 2579–2590
HPEC-A2 (immortalized human placental venous endothelial cells)	Wallbrecht et al.; Exp Dermatol. 2011 Dec; 20(12): 980–985
	Woth et al.; Exp Dermatol. 2013 Nov; 22(11): 714–718
	Aengenheister et al.; Sci Rep. 2018 Mar 29; 8(1): 5388
	Aengenheister et al.; J Nanobiotechnology. 2018 Oct 11; 16(1): 79
HBMEC-60 (immortalized human bone marrow endothelial cells)	Moehler et al.; J Cell Physiol. 2008 Apr; 215(1): 27–36
hCAEC-hTERT (hTERT-immortalized human coronary artery endothelial cells)	Baumer et al.; Exp Biol Med. 2011 Jun 1; 236(6): 692–700
hTERT-immortalized lymphatic endothelial cells	Torzicky et al.; J Invest Dermatol. 2012 Apr; 132(4): 1149–1157
HPMEC-ST1/HPMEC-ST1.6R (immortalized human pulmonary microvascular endothelial cell line)	Krump-Kanvalinkova et al.; Arterioscler Thromb Vasc Biol. 2005 Mar; 25(3): 546–552
	Blanchemain et al.; Biomed Mater. 2011 Dec; 6(6): 065003
	Kacem et al.; J Biomed Mater Res A. 2014 Sep; 102(9): 2942–2951
	Scoutaris et al.; Mol Pharm. 2016 Jan 4; 13(1): 125–133
HULEC-5a (immortalized human lung microvascular endothelial line; ATCC CRL-3244)	Uddin et al.; Med Drug Discov. 2020 Jun; 6: 100046
hCMEC/D3 (immortalized human brain microvascular endothelial cell line)	Bleul et al.; Nanoscale Adv. 2020 Aug 17; 2(10): 4510–4521
	Scimone et al.; Heliyon. 2024 Jul 30; 10(15): ee35126
	Schofield et al.; Adv Healthc Mater. 2024 Dec; 13(32): e2303777

Cell type used	Reference
iBREC (telomerase-immortalized bovine retina microvascular endothelial cell line)	Jäckle et al.; J Diabetes Res. 2020 May 25; 2020: 2450781
	Deissler et al.; Exp Eye Res. 2020 May; 194: 108004
	Deissler et al.; Exp Eye Res. 2020 Sep; 198: 108156
	Busch et al.; Heliyon. 2021 Jan 21; 7(1): e06037
	Deissler et al.; Exp Eye Res. 2022 Mar; 216: 108945
	Deissler et al.; Biomolecules. 2022 May 23; 12(5): 734
iLEC (immortalized mouse skin-derived lymphatic endothelial cell line)	Sakurai et al.; Sci Rep. 2024 May 7; 14(1): 10503

Endothelial Cell Growth Medium MV2 (+ modifications): C-22022, C-22121

Cell type used	Reference
Primary human brain (microvascular) endothelial cells	Grau et al.; J Neurooncol. 2011 Aug; 104(1): 103–112
	Miranda-Azpiazu et al.; Sci Rep. 2018 Jun 8; 8(1): 8784
	Keragala et al.; Front Neurol. 2020 Dec 8; 11: 577272
	Wevers et al.; Fluids Barriers CNS. 2021 Dec 14; 18(1): 59
	Thomas et al.; Biomedicines. 2023 Dec 28; 12(1): 75
	Enström et al.; Mol Cell Proteomics. 2024 Jun; 23(6): 100782
Primary human glioblastoma-derived endothelial cells	Grau et al.; J Neurooncol. 2011 Aug; 104(1): 103–112
	Lohr et al.; Clin Cancer Res. 2011 Jul 1; 17(13): 4296–4308
	Borovski et al.; Oncogene. 2013 Mar 21; 32(12): 1539–1548
Primary human omental microvascular endothelial cells	Winiarski et al.; Microcirculation. 2011 Nov; 18(8): 635–645
Primary human adipose-derived stem cells	Palmgren et al.; Diabetes. 2023 Oct 1; 72(10): 1350–1363

Cell type used	Reference
Primary human liver endothelial cells	Rathore et al.; Mol Cancer Res. 2022 Jun 3; 20(6): 996–1008
	Rathore et al.; J Cancer Sci Clin Ther. 2022; 6(4): 431–445
Primary human endothelial progenitor cells from PBMC	Fernández-Colino et al.; Front Bioeng Biotechnol. 2019 Nov 19; 7: 340
	Wu et al.; PLoS One. 2018 Apr 30; 13(4): e0196572
	Yang et al.; Phytomedicine. 2019 Nov; 64: 152911
	Wang et al.; Sci Rep. 2020 Apr 20; 10(1): 6646
	Florescu et al.; PLoS One. 2022 May 19; 17(5): e0267433
	Tien et al.; J Cell Mol Med. 2024 Jul; 28(13): e18523
Primary human endothelial cells derived from human iPSC or human ESC	Harding et al.; Stem Cells. 2017 Apr; 35(4): 909–919
	Sung et al.; Exp Mol Med. 2019 Apr 17; 51(4): 1–9
	Yang et al.; Cell Stem Cell. 2020 Jul 2; 27(1): 125–136.e7
	Calejo et al.; Acta Biomater. 2020 Jan 1; 01: 327–343
	Koenig et al.; Cells. 2022 Oct 19; 11(20): 3295
Primary human dermal blood endothelial cells	Notara et al.; Stem Cell Res. 2015 Nov; 15(3): 643–654
	Lugano et al.; J Clin Invest. 2018 Aug 1; 128(8): 3280–3297
Primary human retinal microvascular endothelial cells	Tomita et al.; Int J Mol Sci. 2020 Feb 11; 21(4): 1188
	Bosma et al.; Sci Rep. 2023 Dec 5; 13(1): 21436
Primary human intestinal microvascular endothelial cells	Šuligoj et al.; Nutrients. 2020 Sep 13; 12(9): 2808
	Apostolou et al.; Cell Mol Gastroenterol Hepatol. 2021; 12(5): 1719–1741
Primary human bone marrow-derived endothelial progenitor cells	Li et al.; CNS Neurosci Ther. 2013 May; 19(5): 352–357
Primary human smooth muscle progenitor cells from PBMC	Wang et al.; Arterioscler Thromb Vasc Biol. 2012 Aug; 32(8): 1875–1883

Cell type used	Reference
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Primary human limbal fibroblasts	Notara et al.; Sci Rep. 2018 Aug 22; 8(1): 12564
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Primary human lung lymphatic microvascular endothelial cells	Deleuze et al.; PLoS One. 2012; 7(7): e40484
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Primary murine lung (microvascular) endothelial cells	Tual-Chalot et al.; PLoS One. 2014 Jun 4; 9(6): e98646
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	Grimsley-Myers et al.; J Cell Biol. 2020 May 4; 219(5): e201909081
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	Sengupta et al.; Endocrinology. 2018 Aug 1; 159(8): 2917-2925
	Blythe et al.; J Biol Chem. 2019 Nov 15; 294(46): 17395-17408
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	Alizada et al.; Nat Commun. 2021 Jan 25; 12(1): 567
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Primary murine endothelial cells obtained from single cell suspension of RIL-175 tumors	Shigeta et al.; Hepatology. 2020 Apr; 71(4): 1247-1261
Primary murine pericytes from brain tissue	Warmke et al.; Endocrinology. 2021 Nov 1; 162(11): bqab182
Primary murine pericytes derived from skeletal muscle tissue	Bartoli et al.; J Clin Invest. 2022 Mar 1; 132(5): e141775
<i>Ex vivo</i> culture of embryonic murine dermis (dorsal thoracic skin of freshly isolated Wnt5a ^{-/-} mouse embryos)	Lutze et al.; Sci Rep. 2019 Mar 18; 9(1): 4739
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Cell type used	Reference
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Primary porcine endothelial cells from carotid artery	Sulaiman et al.; J Tissue Eng. 2021 Mar 29; 12: 2041731420987529
Primary choroidal endothelial cells from porcine eyes	Romero-Vázquez et al.; Aging. 2020 Jul 16; 12(14): 13905-13923
Primary bovine endothelial cells from aorta	Alizada et al.; Nat Commun. 2021 Jan 25; 12(1): 567
Primary pancreatic islet endothelial cells from fetal sheep	Boehmer et al.; J Nutr. 2020 Aug 1; 150(8): 2061-2069
Primary human cancer associated fibroblasts	Stadler et al.; Cancer Lett. 2021 Nov 1. 520: 184-200
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	Korherr et al.; Proc Natl Acad Sci USA. 2006 Mar 14; 103(11): 4240-4245
	Saetre et al.; BMC Psychiatry. 2007 Sep 6; 7:46
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	Pang et al.; Oncogene. 2016 Feb 11; 35(6): 748-760
HPMEC-ST1.6R (immortalized human pulmonary microvascular endothelial cell line)	Lee et al.; PLoS One. 2016 Jun 29; 11(6): e0157837
HMEC-1 (immortalized human dermal microvascular endothelial cell line; ATCC CRL-3243)	Deleuze et al.; PLoS One. 2012; 7(7): e40484
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Cell type used	Reference
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	Sheikh et al.; J Neuroinflammation. 2020 May 9; 17(1): 153
	Boccellato et al.; Cell Death Dis. 2021 Jun 24; 12(7): 647
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	Stachulski et al.; Tissue Barriers. 2023 Jan 2; 11(1): 2073175
MS1 (immortalized murine pancreatic islet endothelial cell line; ATCC CRL-2279)	Anderberg et al.; J Exp Med. 2013 Mar 11; 210(3): 563-579
	Pang et al.; Oncogene. 2016 Feb 11; 35(6): 748-760
bEnd.3 (immortalized murine brain endothelial cell line; ATCC CRL-2299)	Anderberg et al.; J Exp Med. 2013 Mar 11; 210(3): 563-579

Notes: Please refer to the relevant publication for exact modifications.

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