

Other species and cell types compatible with PromoCell media

Airway Epithelial Cell Growth Medium (+ modifications)
Small Airway Epithelial Cell Growth Medium (+ modifications)
Mammary Epithelial Cell Growth Medium (+ modifications)
Renal Epithelial Cell Growth Medium 2 (+ modifications)



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Airway Epithelial Cell Growth Medium (+ modifications): C-21060, C-21160

Cell type used	Reference
(Mini-)organ cultures from human nasal/oropharyngeal mucosa	Sassen et al.; Toxicol Sci. 2005 Nov; 88(1): 134-141
	Baumeister et al.; Anticancer Res. 2009 Nov; 29(11): 4571-4574
	Hackenberg et al.; Environ Mol Mutagen. 2011 Aug; 52(7): 582-589
	Reiter et al.; Anticancer Res. 2012 Aug; 32(8): 3185-3189
Mucosa cultures from human tissue obtained during tonsillectomy and uvulo-palatopharyngoplasty	Baumeister et al.; Oxid Med Cell Longev. 2012; 2012: 902716
Primary human paediatric bronchial epithelial cells (asthmatic/non-asthmatic children)	Parker et al.; PLoS One. 2013 May 9; 8(5): e61023
Primary human middle ear epithelium cells	Yadav et al.; Sci Rep. 2020 Apr 6; 10(1): 5969
	Yadav et al.; Front Genet. 2020 Apr 24; 11: 323
	Lee et al.; Sci Rep. 2023 Nov 14; 13(1): 19822
Tissue slices from human lung cancer	Sonnenberg et al.; BMC Cancer. 2008 Dec 11; 8:364
	Schmid et al.; Cancer Res. 2012 Nov 15; 72(22): 5824-5832
Primary porcine airway epithelial cells (nasal, tracheal, bronchial)	Go et al.; J Thorac Cardiovasc Surg. 2010 Feb; 139(2): 437-443
	Lam et al.; J Virol Methods. 2011 Dec; 178(1-2): 117-123
	Peitsch et al.; J Virol. 2014 Jan; 88(1): 282-291
	Schuhmacher et al.; Acta Biomater. 2014 Feb; 10(2): 996-1004
	Eifler et al.; J Mater Sci Mater Med. 2016 Feb; 27(2): 25
	Sauerhering et al.; J Gen Virol. 2016 Jul; 97(7): 1511-1519
	Dale et al.; Stem Cells Int. 2019 Nov 23; 2019: 3010656
Primary equine bronchial epithelial cells	Abraham et al.; BMC Vet Res. 2011 Jun 7; 7: 26
	Abs et al.; PLoS One. 2019 Nov 13; 14(11): e0225025
	Schellenberg et al.; Eur J Pharmacol. 2021 Sep 15; 907: 174323
Primary equine tracheal epithelial cells	Shibeshi et al.; In Vitro Cell Dev Biol Anim. 2008 Jul-Aug; 44(7): 179-184

Cell type used	Reference
Primary rat tracheobronchial epithelial cells	Neff et al.; Am J Physiol Lung Cell Mol Physiol. 2006 Jan; 290(1): L86-96
	Roth Z'graggen et al.; Clin Exp Immunol. 2010 Aug; 161(2): 324-331
	Johnson et al.; Virology. 2011 Apr 10; 412(2): 349-356
	Deuse et al.; Transplantation. 2016 May; 100(5): 1022-1031
	Ehlen et al.; Virol J. 2016 May 4; 13: 74
Primary bovine bronchial epithelial cells	Goris et al.; J Virol. 2009 Feb; 83(4): 1962-1968
	Bordes et al.; J Gen Virol. 2024 Jun; 105(6): 002007
	Cozens et al.; Sci Rep. 2018 Jan 16; 8(1): 853
Primary ovine airway epithelial cells	Thiebes et al.; Biores Open Access. 2015 Jun 1; 4(1): 278-287
	O'Boyle et al.; PLoS One. 2017 Jul 26; 12(7): e0181583
	O'Boyle et al.; Sci Rep. 2020 Sep 11; 10(1): 14971
Primary murine airway epithelial cells	Paget et al.; J Biol Chem. 2012 Mar 16; 287(12): 8816-8829
	Jia et al.; EMBO Mol Med. 2018 May; 10(5): e8349
	Kimura et al.; Front Immunol. 2019 Jun 11; 10: 1323
	Tan et al.; Front Cell Dev Biol. 2020 Aug 28; 8: 579157
	Wildung et al.; Int J Mol Sci. 2022 Jul 13; 23(14): 7749
	Janas et al.; PLoS One. 2024 Jan 25; 19(1): e0297585
Primary bat airway epithelial cells; Immortalized bat airway epithelial cells	Eckerle et al.; PLoS One. 2014 Jan 13; 9(1): e84679
IB3-1 (immortalized human bronchial epithelial cell line derived from a patient with cystic fibrosis)	Chanson et al.; Am J Pathol. 2001 May; 158(5): 1775-1784
	Jungas et al.; J Biol Chem. 2002 Aug 2; 277(31): 27912-27918
	Huang et al.; J Biol Chem. 2003 Mar 7; 278(10): 8326-8332
	Nyabam et al.; Biochim Biophys Acta. 2016 Sep; 1863(9): 2234-2244
C38 (derived from human bronchial epithelial cell line IB3-1 but expresses plasmid-encoded functional CFTR)	Huang et al.; J Biol Chem. 2003 Mar 7; 278(10): 8326-8332
	Nyabam et al.; Biochim Biophys Acta. 2016 Sep; 1863(9): 2234-2244
16HBE14o- (immortalized human bronchial epithelial cell line)	Jia et al.; EMBO Mol Med. 2018 May; 10(5): e8349
	Li et al.; Cancer Manag Res. 2021 Feb 25; 13: 1967-1979
	Alsa'd et al.; Int J Pharm. 2024 Oct 25; 664: 124567

Cell type used	Reference
BEAS-2B (immortalized human bronchial epithelial cell line; ATCC CRL-3588)	Coyle et al.; Part Fibre Toxicol. 2020 Aug 12; 17(1): 40
	Mistry et al.; Toxicol In Vitro. 2020 Dec; 69: 104968
	Hansel et al.; Int J Mol Sci. 2021 Jun 30; 22(13): 7064
	Shahid et al.; Cancers. 2023 Jan 18; 15(3): 583
	Coyle et al.; Sci Rep. 2023 May 22; 13(1): 8220
	Barada et al.; Cells. 2023 Oct 16; 12(20): 2464
	Moreau et al.; Front Toxicol. 2024 Apr 11; 6: 1373325
Immortalized human laryngeal epithelial cell line from posterior commissure	Lee et al.; Laryngoscope. 2015 Feb; 125(2): E73–77
HBEC3-KT (hTERT-immortalized human bronchial epithelial cell line; ATCC CRL-4051)	Hao et al.; Viruses. 2023 Feb 14; 15(2): 530
S9 (immortalized human bronchial epithelial cell line; ATCC CRL-2777)	Möller et al.; Toxins. 2021 Feb 24; 13(3): 173
HSAEC1-KT (hTERT-immortalized human lung epithelial cell line; ATCC CRL-4050)	Hansel et al.; Int J Mol Sci. 2021 Jun 30; 22(13): 7064
	Hao et al.; Viruses. 2023 Feb 14; 15(2): 530

Small Airway Epithelial Cell Growth Medium (+ modifications): C-21070, C-21170

Cell type used	Reference
Human lung organoids with primary lung epithelial cells	Ng-Blichfeldt et al.; EBioMedicine. 2018 Oct; 36: 461–474
Primary human airway basal stem cells	Bankoti et al.; Am J Respir Cell Mol Biol. 2024 Jan; 70(1): 26–38
Primary human lung progenitor cells derived from iPSC	von Schledorn et al.; Cells. 2023 May 24; 12(11): 1467
Primary murine lung epithelial cells	Huang et al.; Elife. 2022 Sep 21; 11: e78217
AALE and SALE (hTERT-immortalized human lung epithelial cell line)	Vichas et al.; Nat Commun. 2021 Aug 9; 12(1): 4789
HSAEC1-KT (hTERT-immortalized human lung epithelial cell line; ATCC CRL-4050)	Hao et al.; Viruses. 2023 Feb 14; 15(2): 530

Mammary Epithelial Cell Growth Medium (+ modifications): C-21010, C-21110

Cell type used	Reference
Primary human mammary epithelial cells from tumor tissue	Hass und Bertram; J Exp Clin Cancer Res. 2009 Sep 14; 28(1): 127
Primary human cells from breast adipose tissue	Bhardwaj et al.; Sci Transl Med. 2023 Feb 22; 15(684): eade1857
Primary human vaginal epithelial cells	Cheshenko et al.; Commun Biol. 2022 Oct 16; 5(1): 1096
Human breast tumor tissue slices	van der Kuip et al.; BMC Cancer. 2006 Apr 7; 6: 86
	Sonnenberg et al.; BMC Cancer. 2008 Dec 11; 8: 364
Primary rat mammary epithelial cells	Fedrowitz et al.; J Exp Clin Cancer Res. 2011; 30(1): 102
	Smits et al.; PLoS Genet. 2013 Jun; 9(6): e1003549
Primary porcine mammary epithelial cells	Bernardini et al.; Animals. 2021 Jul 5; 11(7): 2012
	Bernardini et al.; Res Vet Sci. 2024 Jun; 172: 105244
Primary bovine mammary epithelial cells from healthy lactating Holstein-Friesian cows	Halwachs et al.; Toxicol Sci. 2013 Feb; 131(2): 491-501
Primary murine mammary epithelial cells	Hopkins et al.; Dev Cell. 2012 Sep 11; 23(3): 547-559
	Alladin et al.; Elife. 2020 Jul 21; 9: e54066
	Ronchi et al.; J Cell Biol. 2021 Sep 6; 220(9): e202104069
Primary murine peri-uterine and inguinal cells from white adipose tissue	Asante et al.; Int J Mol Sci. 2020 Sep 3; 21(17): 6439
EpH4 and EpRas (murine mammary epithelial cell lines) in 3D culture	Janda et al.; J Cell Biol. 2002 Jan 21; 156(2): 299-313
Cellular content of human milk	Schultz-Pernice et al.; J Mammary Gland Biol Neoplasia. 2020 Dec; 25(4): 397-408
	Twigger et al.; Nat Commun. 2022 Jan 28; 13(1): 562
UWB1.289, UWB1-SyR12 and UWB1-SyR13 (human ovarian cancer cell lines)	Barger et al.; Elife. 2021 Apr 23; 10: e55070
	Al-Mugotir et al.; PLoS One. 2021 Mar 30; 16(3): e0248941
hTERT-HME1 (hTERT-immortalized human mammary epithelial cell line; ATCC CRL-4010)	Rønneberg et al.; Cancer Res. 2008 Jul 15; 68(14): 5562-5571
	Kaan et al.; J Med Chem. 2010 Aug 12; 53(15): 5676-5683
	Wang et al.; J Med Chem. 2012 Feb 23; 55(4): 1511-1525
	Beaudin and Welsh; Endocrinology. 2017 Dec 1; 158(12): 4174-4188
hTERT HMEC-T53 (human immortalized mammary epithelial cell line with reduced p53 levels)	Hagemann et al.; PLoS One; 2012; 7(5): e36125

Cell type used	Reference
MCF 10A (immortalized human mammary epithelial cell line; ATCC CRL- 10317)	Xie et al.; Cell Res. 2021 Mar; 31(3): 291–311
	Stapel et al.; Sci Rep. 2021 Jan 13; 11(1): 1250
	Koshikawa et al.; Cancer Sci. 2021 Jun; 112(6): 2504–2512
	Zubair et al.; PLoS One. 2022 Mar 2; 17(3): e0264451
	Hauck et al.; Sci Rep. 2022 Apr 1; 12(1): 5565
	Ngule et al.; Biomedicines. 2023 Apr 20; 11(4): 1223
	Berfelde et al.; Int J Mol Sci. 2024 Feb 9; 25(4): 2110
HME50–5 (immortalized human mammary epithelial cell line)	Khandelwal et al.; Int J Mol Sci. 2018 Oct 26; 19(11): 3352
Generation of spheroids from MDA-MB-463 (human breast cancer cell line) and MDA-MB-361 (human brain cancer cell line)	Polanski et al.; Cell Death Dis. 2015 Oct 1; 6(10): e1893
SK-BR-3 (human epithelial cell line from breast cancer)	Cieślak-Pobuda et al.; Oncotarget. 2015 Oct 6; 6(30): 29753-29770
BT-474 (human epithelial cell line from breast cancer)	Cieślak-Pobuda et al.; Oncotarget. 2015 Oct 6; 6(30): 29753-29770
MDA-MB-468 (human epithelial cell line from breast cancer)	Cieślak-Pobuda et al.; Oncotarget. 2015 Oct 6; 6(30): 29753-29770

Renal Epithelial Cell Growth Medium 2 (+ modifications): C-26030, C-26130

Cell type used	Reference
Primary murine tubular kidney epithelial cells	Hermert et al.; Kidney Int. 2020 Apr; 97(4): 741–752
	Andargie et al.; JCI Insight. 2021 Apr 8; 6(7): e147610
	Srivastava et al.; Nat Commun. 2021 Apr 22; 12(1): 2368
	Kim et al.; Inflammation. 2021 Aug; 44(4): 1426–1440
	Liao et al.; Int J Mol Sci. 2021 Dec 17; 22(24): 13562
	Sörensen-Zender et al.; Int J Mol Sci. 2022 Jan 7; 23(2): 646
	Wu et al.; Cell Rep. 2023 Feb 28; 42(2): 112057
Primary kidney cells from harbor seals and harbor porpoises	Numberger et al.; PLoS One. 2024 Jan 30; 19(1): e0296368
BHD-F59RSVT (immortalized human cell line derived from a renal cell carcinoma in a patient with Birt-Hogg-Dube syndrome)	Furuya et al.; Lab Invest. 2017 mar; 97(3): 343–351

Cell type used	Reference
786-0 (human renal cancer cell line)	Wang et al.; Med Sci Monit. 2021 Jan 28; 27: e930634
OS-RC-2 (human renal cancer cell line)	Wang et al.; Med Sci Monit. 2021 Jan 28; 27: e930634
A498 (human renal cancer cell line)	Wang et al.; Med Sci Monit. 2021 Jan 28; 27: e930634
Caki-1 (human renal cancer cell line)	Wang et al.; Med Sci Monit. 2021 Jan 28; 27: e930634
ACHN (human renal cancer cell line; ATCC CRL-1611)	Wang et al.; Med Sci Monit. 2021 Jan 28; 27: e930634
HK-2 (immortalized human proximal tubular epithelial cell line from normal adult kidney tissue; ATCC CRL-2190)	Péretz-Martí et al.; Elife. 2022 May 12; 11: e74391
Immortalized murine proximal tubular cells	Adedoyin et al.; Am J Physiol Renal Physiol. 2018 May 1; 14(5): F702-F714

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

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