Other species and cell types compatible with PromoCell media

Myocyte Growth Medium (+ modifications)
Skeletal Muscle Cell Growth Medium (+ modifications)
Smooth Muscle Cell Growth Medium 2 (+ modifications)

Table of content

Myocyte Growth Medium (+ modifications): C-22070, C-22170

Cell type used	Reference
Primary murine ventricular myocytes	Li et al.; Aging. 2021 Mar 26; 13(10):13535–13547
Primary murine neonatal cardiac myocytes	Falik-Zaccai et al.; EMBO Mol Med. 2017 Mar; 9(3): 319–336
	Altman et al.; J Cell Sci. 2019 Dec 2; 132(23): jcs234492
Primary murine skeletal muscle cells	Nagase and Tohda et al.; J Cachexia Sarcopenia Muscle. 2021 Dec; 12(6): 2199–2210
Primary rat ventricular myocytes	Caldwell et al.; Circ Res. 2014 Dec 5; 115(12): 986–996
AC16 (immortalized human cardiac myocyte cell line; ATCC CRL-3568)	Zhang et al.; Nat Cardiovasc Res. 2022 Dec; 1(12): 1195–1214
H9C2 (immortalized rat cardiac myocyte cell line)	Albini et al.; Front Pharmacol. 2021 Aug 3; 12: 694762

Skeletal Muscle Cell Growth Medium (+ modifications): C-23060, C-23160

Cell type used	Reference
Primary human skeletal muscle cells from a donor with clinical symptoms of Myotonic Dystrophy Type 2	Sammons et al.; PLoS One. 2010 Feb 18; 5(2): e9301
Primary human CD133+ cells from muscle biopsies	Meng et al.; Stem Cell Res. 2018 Jul; 30: 43–52
Primary human cells derived from a dysferlinopathy-affected patient	Barthélémy et al.; Methods Mol Biol. 2018. 1828: 489–496
Multipotent human adipose-derived stem cells differentiated into skeletal myocytes	Rodriguez et al.; J Exp Med. 2005 May 2; 201(9): 1397–1405
Human myogenic progenitor cells from DMD patient-derived pluripotent stem cell	Morera et al.; Neuromuscul Disord. 2022 Dec; 32(11–12): 908-922
Human iPSC for differentiation into skeletal muscle cells	Lenzi et al.; Stem Cell Res. 2016 Jul; 17(1): 140–147
Primary human skin fibroblasts transdifferentiated into myoblasts	Incitti et al.; Mol Ther. 2010 Sep; 18(9): 1675–1682
Primary murine myoblasts, isolated from the hind limb muscles	Judson et al.; J Cell Sci. 2012 Dec 15; 125(Pt 24): 6009–6019
	Reid et al.; Hum Mol Genet. 2020 Oct 10; 29(17): 2855–2871
	Heitman et al.; Int J Mol Sci. 2024 Aug 28; 25(17): 9308

Cell type used	Reference
Primary skeletal muscle cells from the hindlimbs of rabbits	Meissner et al.; J Physiol. 2001 May 15; 533(Pt 1): 215–226
	Kubis et al.; J Physiol. 2002 Jun 15; 541(Pt 3): 835–847
	Kubis et al.; Biochim Biophys Acta. 2005 Sep 10; 1745(2): 187–195
	Hanke et al.; Biochim Biophys Acta. 2008 May; 1783(5): 813-825
	Hanke et al.; Am J Physiol Cell Physiol. 2010 Apr; 298(4): C910-C920
	Hanke et al.; Biochim Biophys Acta. 2011 Mar; 1813(3): 377-389
Satellite cell-derived myoblasts from rabbits	Scholz et al.; Am J Physiol Cell Physiol. 2009 Oct; 297(4): C1012-C1018
Primary striated skeletal muscle cells from dogs	Schenk et al.; BMC Vet Res. 2012 Nov 21; 8: 227
Canine skeletal muscle cell line, established through primary culture	Niessen et al.; Domest Anim Endocrinol. 2012 Jul; 43(1): 16–25
Primary skeletal myoblasts from sheep	Stremming et al.; Front Physiol. 2022 Aug 25; 13: 954948
Zebrafish myogenic muscle cells from dorsal muscle	Alexander et al.; Muscle Nerve. 2011 May; 43(5): 741–750
Human hTERT-immortalized myoblasts	Zhou et al.; Hum Mutat. 2013 Jul; 34(7): 986–996
	Rokach et al.; Biochem J. 2013 Oct 15; 455(2): 169–177
Human hTERT-immortalized fibroblasts for conversion into myoblasts	Almeida et al.; Front Cell Dev Biol. 2023 Jun 15; 11: 1181040
Human hTERT-immortalized muscle satellite stem cells	Fernández-Garibay et al.; Biofabrication. 2022 Sep 13; 14(4)
HMCL-7304 (immortalized human skeletal muscle-derived cell line)	Kemaladewi et al.; BMC Med Genomics. 2011 Apr 20; 4: 36
	Wang et al.; PeerJ. 2016 Jan 26; 4: e1624
	Carcamo-Orive et al.; PLoS Comput Biol. 2020 Dec 23; 16(12): e1008491
	Gloudemans et al.; Genome Med. 2022 Mar 15; 14(1): 31

Cell type used	Reference
KM155/ KM155C25 (immortalized human myoblast cell line)	Verwey et al.; Nucleic Acid Ther. 2020 Apr; 30(2): 71–79
	Timpanaro et al.; Int J Mol Sci. 2023 Jan 30; 24(3): 2601
	Goossens et al.; RNA Biol. 2023 Jan; 20(1): 693–702
	Faleiro et al.; Front Cell Dev Biol. 2023 Nov 27; 11: 1239138
	Engelbeen et al.; Nucleic Acid Ther. 2023 Dec; 33(6): 348-360
	Dzhumashev et al.; Eur J Pharm Biopharm. 2024 Jan; 194: 49-61
	Cook et al.; Cells. 2024 Feb 29; 13(5): 431
LHCN-M2 (immortalized human myoblast cell line)	McMorran et al.; Glycobiology. 2017 Dec 1; 27(12): 1134–1143
	Connolly et al.; FEBS Open Bio. 2018 Jan 24; 8(3): 339–348
	Farre-Garros et al.; J Appl Physiol. 2019 Jun 1; 126(6): 1514–1524
	Connolly et al.; PLoS One. 2020 Feb 28; 15(2): e0229409
	Ganassi et al.; Front Cell Dev Biol. 2022 Sep 7; 10: 802573
	Cowley et al.; Elife. 2023 May 15; 12: e88345
	Engal et al.; Sci Adv. 2024 May 31; 10(22): eadn7732
DMD 6311 and DMD 6594 (immortalized dystrophic human myoblast cell line)	McMorran et al.; Glycobiology. 2017 Dec 1; 27(12): 1134–1143
54.6 and 54.12 (immortalized human myoblast cell line)	Moyle et al.; Elife. 2016 Nov 14; 5: e11405
C25CI48 (immortalized human myoblast cell line)	Prüller et al.; PLoS One. 2018 Sep 17; 13(9): e0202574
	Figeac et al.; Cell Prolif. 2020 Jan; 53(1): e12717
	Baradaran-Heravi et al.; Nucleic Acids Res. 2021 Apr 19; 49(7): 3692–3708
DM11 (immortalized human DM1 myoblasts)	Gudde et al.; Biochim Biophys Acta Gene Regul Mech. 2017 Jun; 1860(6): 740–749
	André et al.; PLoS One. 2019 May 22; 14(5): e0217317
Immortalized human DMD myoblasts	Lattanzi et al.; Mol ther Nucleic Acids. 2017 Jun 16; 7: 11–19
	Shu et al.; Skelet Muscle. 2020 Sep 18; 10(1): 26
Immortalized human skeletal myoblasts	Cokorinos et al.; Cell Metab. 2017 May 2; 25(5): 1147–1159

Cell type used	Reference
P28L and R26Q (human immortalized myoblast cell lines from Cav3 mutant patients)	Dewulf et al.; Nat Commun. 2019 Apr 29; 10(1): 1974
AB1190 (immortalized human myoblast cell line)	Sanson et al.; Sci Rep. 2020 Jun 4; 10(1): 9139
	Geoffroy et al.; Cells 2023 Oct 12; 12(20): 2444
	Haidar et al.; Sci Rep. 2024 Feb 7; 14(1): 3184
	Hagemann et al.; PLoS Biol. 2024 Mar 13; 22(3): e3002503
	Hong et al.; Nat Commun. 2024 Sep 11; 15(1): 7965
AB1167 and AB1071 (immortalized human myoblast cell line from healthy or DMD donor)	Nguyen et al.; Cell tissue Res. 2024 Apr; 396(1): 57–69
C2C12 (murine myoblast cell line; ATCC CRL-1772)	Volpers et al.; J Virol. 2003 Feb; 77(3): 2093–2104
	Kron et al.; Mol Ther. 2011 Aug; 19(8): 1547–1557
Immortalized myoblast from primary murine soleus and gastrocnemius muscle tissue	Berwanger et al.; Eur J Cell Biol. 2024 Jun; 103(2): 151399

Smooth Muscle Cell Growth Medium 2 (+ modifications): C-22062, C-22162

Cell type used	Reference
Primary human smooth muscle cells from carotid	Hodroj et al.; Arterioscler thromb Vasc Biol. 2007 Mar; 27(3): 525–531
Primary human cavernosal smooth muscle cells	Pilatz et al.; Eur Urol. 2005 May; 47(5): 710–718
Primary human internal mammary artery smooth muscle	Shi et al.; Macromol Biosci. 2012 Mar; 12(3): 395–401
Primary human valve interstitial cells	Fondard et al.; Eur Heart J. 2005 Jul; 26(13): 1333–1341
Primary human aortic valve myofibroblasts from surgically resected stenotic calcified heart valves	Beaufort et al.; Cell Microbiol. 2011 Aug; 13(8): 1149–1167
Primary atheroma-derived smooth muscle cells from human atherosclerotic plaques	Cole et al.; Proc Natl Acad Sci USA. 2011 Feb 8; 108(6): 2372-2377
Primary human suburothelial myofibroblasts from tumor-free bladder tissue samples	Cheng et al.; PLoS One. 2011; 6(10): e25769
Primary human bladder smooth muscle cells	Hashimoto et al.; PLoS One. 2017 Oct 19; 12(10): e0186584
Primary human myometrial cells	Yart et al.; J Cell Physiol. 2022 Mar; 237(3): 1980–1991

Cell type used	Reference
Primary murine aortic smooth muscle cells	Akerman et al.; J Am Heart Assoc. 2019 Jan 8; 8(1): e010332
	Wortmann et al.; Mol Med. 2020 Sep 15; 26(1): 87
	Hall et al.; JVS Vasc Sci. 2021 Jul 24; 2: 194–206
	Chen et al.; J Biol Chem. 2021 Dec; 297(6): 101228
	Kaw et al.; Eur Heart J. 2023 Aug 1; 44(29): 2713–2726
	Figueroa et al.; JVS Vasc Sci. 2023 Aug 11; 4: 100124
	Gedney et al.; Front Cardiovasc Med. 2024 Jun 6; 11: 1359734
Primary murine pulmonary artery smooth muscle cells	Giordano et al.; Gene Ther. 2022 Dec; 29(12): 655–664
	Malkmus et al.; Front Physiol. 2022 Dec 7; 13: 1080875
	Dartsch et al.; Cells. 2024 Jun 20; 13(12): 1070
Primary rat aortic smooth muscle cells	Schrepfer et al.; Menopause. 2006 May-Jun; 13(3): 489–499
	Hamlat et al.; Diabetes Metab. 2010 Jun; 36(3): 221–228
	Virsolvy et al.; Sci Rep. 2015 Dec 10; 5: 17969
Primary rat pulmonary vein smooth muscle cells	Wang et al.; Mol Med Rep. 2016 Feb; 13(2): 1577–1585
Primary dog vascular smooth muscle cells (from beagles)	Sagban et al.; Adv Eng Mater. 2011 Dec; 13(12): B518-B528
Primary porcine pulmonary artery smooth muscle cells	Kavarana et al.; Ann Thorac Surg. 2013 Oct; 96(4): 1442–1449
Primary detrusor smooth muscle cells (urinary bladder cells) from adult Göttingen minipigs & juvenile German Landrace pigs	Leonhäuser et al.; J Biomater Appl. 2016 Feb; 30(7): 961–973
	Leonhäuser et al.; J Transl Med. 2017 Jan 4; 15(1): 3
NP110 and NP88 (human cell lines derived from the ESC line hES3)	West et al.; Stem Cell Res Ther. 2019 Jan 8; 10(1): 7

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

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