

# Alternative Product Guide

## Primary Human Cells: Lonza® – PromoCell

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Lonza® Cat. No./ Product description		PromoCell Cat. No.*/ Product description		Additional Comments
CC-2504	NHEM-Neo – Neonatal Normal Human Epidermal Melanocytes	C-12400 C-12402	NHEM juvenile foreskin, in Mel. Growth Medium NHEM juvenile foreskin, in Mel. Growth Med. M2	PromoCell NHEM are from juvenile foreskin (donors aged 1–10 years), Lonza®'s from neonatal. PromoCell's cells are delivered in passage 2; available for 2 different Media
CC-2505	HMVEC-dNeo – Neonatal Human Dermal Microvascular Endothelial Cells, Single Donor	C-12210	HDMEC juvenile foreskin	PromoCell HDMEC juvenile foreskin are from donors aged approx. 1–10 years, Lonza®'s from neonatal. PromoCell's cells are delivered in passage 2
CC-2509	NHDF-Neo – Human Neonatal Dermal Fibroblasts	C-12300	NHDF juvenile foreskin	PromoCell NHDF juvenile foreskin are from donors aged approx. 1–10 years, Lonza®'s from neonatal. PromoCell's cells are delivered in passage 2
CC-2511	NHDF-Ad – Human Adult Dermal Fibroblasts	C-12302	NHDF adult	PromoCell's cells are delivered in passage 2
CC-2512	NHLF – Human Lung Fibroblasts	C-12360	HPF	PromoCell's cells are delivered in passage 2
CC-2517	HUVEC – Human Umbilical Vein Endothelial Cells, Single Donor, in EGM	C-12200	HUVEC single donor (in standard Growth Medium)	PromoCell's cells are delivered in passage 1
C2517A	HUVEC – Human Umbilical Vein Endothelial Cells, Single Donor, in EGM-2	C-12206	HUVEC isolated in Growth Medium 2, single donor	PromoCell's cells are delivered in passage 1
C2517AS	HUVEC – Human Umbilical Vein Endothelial Cells, Single Donor, prescreened	C-12205	HUVEC pre-screened, single donor	Lonza®: positive for eNOS, Axl, Tie-2 and VEGFr2 expression. PromoCell: cells prescreened for VEGF response; PromoCell's cells are delivered in passage 1
CC-2519	HUVEC – Human Umbilical Vein Endothelial Cells, pooled, in Endothelial Cell Growth Medium	C-12203	HUVEC pooled (in standard Growth Medium)	PromoCell's cells are delivered in passage 1
C-2519A	HUVEC – Human Umbilical Vein Endothelial Cells, pooled, in Endothelial Cell Growth Medium-2	C-12208	HUVEC isolated in Growth Medium 2, pooled	PromoCell's cells are delivered in passage 1
CC-2527	HMVEC-L – Human Lung Microvascular Endothelial Cells	C-12281	HPMEC	PromoCell's cells are delivered in passage 2

\* Cryopreserved cells

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CC-2530	HPAEC – Human Pulmonary Artery Endothelial Cells	C-12241	HPAEC	PromoCell's cells are delivered in passage 2
CC-2535	HAEC – Human Aortic Endothelial Cells	C-12271	HAoEC	PromoCell's cells are delivered in passage 2
CC-2538	NHOst – Normal Human Osteoblast	C-12720	HOB	PromoCell's cells are delivered in passage 2
CC-2540	NHBE – Normal Human Bronchial/Tracheal Epithelial Cells, isolated and cultured with retinoic acid	C-12644 C-12640	HTEpC HBEpC	Lonza® supplies a mixture of bronchial & tracheal cells; PromoCell supplies the two cell types separately; PromoCell's cells are delivered in passage 2
CC-2543	HMVEC-dAd – Adult Human Dermal Microvascular Endothelial	C-12212	HDMEC adult donor	PromoCell's cells are delivered in passage 2
CC-2547	SAEC – Human Small Airway Epithelial Cells	C-12642	HSAEpC	---
CC-2550	NHAC-kn – Normal Human Articular Chondrocytes, Knee	C-12710	HCH	PromoCell's cells are delivered in passage 2; Lonza®: from knee; PromoCell: knee or hip joint
CC-2554	HRCE – Human Renal Cortical Epithelial Cells	C-12660	HRCEpC	---
CC-2556	HRE – Human Renal Epithelial Cells	C-12665	HREpC	PromoCell's cells are delivered in passage 2
CC-2562	UtSMC – Human Uterine Smooth Muscle Cells	C-12575	HUtSMC	PromoCell's cells are delivered in passage 2
CC-2564	UtMVEC-Myo – Human Uterine Microvascular Endothelial Cells	C-12295	HUtMEC	PromoCell's cells are delivered in passage 2
CC-2571	AoSMC – Human Aortic Smooth Muscle Cells	C-12533	HAoSMC	PromoCell's cells are delivered in passage 2
CC-2576	BSMC – Normal Human Bronchial Smooth Muscle Cells	C-12561	HBSMC	PromoCell's cells are delivered in passage 2
CC-2579	UASMC – Human Umbilical Artery Smooth Muscle Cells	C-12500	HUASMC	PromoCell's cells are delivered in passage 2
CC-2580 CC-2561	HSMM – Human Skeletal Muscle Myoblasts / SkMC – Skeletal Muscle Cells	C-12530	SkMC	PromoCell's cells are delivered in passage 2 CC-2580/C-12530: isolated as satellite cells from adult donors; CC-2561: fetal skeletal muscle cells.
CC-2581	PASMC – Human Pulmonary Artery Smooth Muscle Cells	C-12521	HPASMC	PromoCell's cells are delivered in passage 2
CC-2583	CASMC – Human Coronary Artery Smooth Muscle Cells	C-12511	HCASMC	PromoCell's cells are delivered in passage 2
CC-2585	HCAEC – Human Coronary Artery Endothelial Cells	C-12221	HCAEC	PromoCell's cells are delivered in passage 3
CC-2586	NHEM-Ad – Adult Normal Human Epidermal Melanocytes	C-12403	NHEM adult donor, cultured in Melanocyte Growth Medium M2	PromoCell's cells are delivered in passage 2

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CC-2702	HPBMC – Human Peripheral Blood Mononuclear Cells	C-12907	hMNC-PB, single donor, ultra-pure	---
CC-2810	HMVEC-dLyAd – Adult Human Dermal Lymphatic Microvascular Endothelial Cells	C-12217	HDLEC adult	PromoCell's cells are delivered in passage 2
CC-2811	HMVEC-dBIAAd – Adult Human Dermal Microvascular Endothelial Cells	C-12225	HDBEC adult	PromoCell's cells are delivered in passage 2
CC-2812	HMVEC-dLyNeo – Neonatal Human Dermal Lymphatic Microvascular Endothelial Cells, Single donor	C-12216	HDLEC juvenile foreskin	PromoCell HDLEC juvenile foreskin are from donors aged approx. 1–10 years, Lonza®'s from neonatal. PromoCell's cells are delivered in passage 2
CC-2813	HMVEC-dBINEo – Neonatal Human Dermal Blood Microvascular Endothelial Cells	C-12211	HDBEC juvenile foreskin	PromoCell HDBEC juvenile foreskin are from donors aged approx. 1–10 years, Lonza®'s from neonatal. PromoCell's cells are delivered in passage 2
CC-2904	NHCF-V – Human Ventricular Cardiac Fibroblasts	C-12375	HCF	PromoCell's cells are delivered in passage 2
CC-7014	AoAF – Human Aortic Adventitial Fibroblasts	C-12380	HAoAF	PromoCell's cells are delivered in passage 2
CC-7030	HMVC-C – Human Cardiac Microvascular Endothelial Cells	C-12285	HCMEC	PromoCell's cells are delivered in passage 2
191027	HUVEC-XL – Umbilical Vein Endothelial, Pooled Donors	C-12204	HUVEC pooled, 5 million cells	Lonza®: 10×10 <sup>6</sup> cells in Endothelial Cell Growth Medium-2, PromoCell: 5×10 <sup>6</sup> cells in Endothelial Cell Growth Medium
192627	NHEK-Ad – Normal Human Epidermal Keratinocytes Adult	C-12003	NHEK adult, single donor	PromoCell's cells are delivered in passage 2
192906	NHEK-Neo Pooled Normal Human Epidermal Keratinocytes Neonatal Pooled	C-12005	NHEK juvenile foreskin, pooled	PromoCell NHEK juvenile foreskin are from donors aged approx. 1–10 years, Lonza®'s from neonatal. PromoCell's cells are delivered in passage 2
192907	NHEK-Neo – Normal Human Epidermal Keratinocytes Neonatal	C-12001	NHEK juvenile foreskin, single donor	PromoCell NHEK juvenile foreskin are from donors aged approx. 1–10 years, Lonza®'s from neonatal. PromoCell's cells are delivered in passage 2
PT-5005	Human Visceral Preadipocyte Cells	C-12732	HWP visceral	Lonza® 1×10 <sup>6</sup> cells; PromoCell 0.5 x10 <sup>6</sup> cells/vial
PT-5020	Human Subcutaneous Preadipocyte Cells	C-12730	HWP subcutaneous	Lonza® 1×10 <sup>6</sup> cells; PromoCell 0.5 x10 <sup>6</sup> cells/vial
PT-2501	hMSC Human Mesenchymal Stem Cells from Bone Marrow	C-12974	hMSC-BM	Lonza® 0.75×10 <sup>6</sup> cells, PromoCell 0.5 x10 <sup>6</sup> cells/vial; PromoCell guarantees for > 10 PDs and PDT < 30 h during the first 10 PDs; Promocell and Lonza® cells characterized according to ISCT test criteria

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PT-5006	Human Adipose-derived Stem Cells	C-12977	hMSC-AT	Lonza® 1×10 <sup>6</sup> cells; PromoCell 0.5 ×10 <sup>6</sup> cells/vial; Lonza® cells from liposuction, PromoCell: isolated from subcut. fat tissue; Promocell and Lonza® cells characterized according to ISCT test criteria
2C-101B	Human Cord Blood CD34 <sup>+</sup> Progenitor Cells	C-12921	hCD34 <sup>+</sup> -CB, single donor	---
2W-400C	Human Peripheral Blood CD14 <sup>+</sup> Monocytes	C-12909	hMoCD14 <sup>+</sup> -PB	---

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**Note:**

All PromoCell cells tested negative for HIV-1/-2, HTLV-1/-2, HBV, HCV, mycoplasma, bacteria, yeast, and fungi.

Proliferating cultures are available for all adherent cell types (please check the corresponding Cat. Number at [www.promocell.com](http://www.promocell.com)). They are generated from cryopreserved cell stocks, plated in T25 flasks and are delivered in the same passage as the cryopreserved cells (after thawing).

Every customer should analyze the above products to determine whether they are suitable for their intended application or use. PromoCell does not represent that the above products are equivalent or that they would achieve identical results or perform in the same manner as the Lonza® product.

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