

# Cell culture media overview

Discover our high-quality media for the expansion and differentiation of human primary cells, stem cells, blood and immune cells.



## Media for human primary cells

Cell type	Product	Special formulation features	Catalog no.			
			Basal medium	Phenol red-free basal medium	Ready-to-use medium	Medium kit
Cardiac myocytes	Myocyte Growth Medium	Low-serum	C-22270	C-22275	C-22070	C-22170
Chondrocytes	Chondrocyte Growth Medium	-	C-27111	C-27115	C-27101	-
Endothelial cells (large vessels)	Endothelial Cell Growth Medium	Low-serum	C-22210	C-22215	C-22010	C-22110
	Endothelial Cell Growth Medium 2	Low-serum	C-22211	C-22216	C-22011	C-22111
Endothelial cells (microvascular)	Endothelial Cell Growth Medium MV	Low-serum	C-22220	C-22225	C-22020	C-22120
	Endothelial Cell Growth Medium MV 2	Low-serum	C-22221	C-22226	C-22022	C-22121
Epithelial cells	Airway Epithelial Cell Growth Medium	Serum-free	C-21260	C-21265	C-21060	C-21160
	Airway Epithelial Cell Growth Medium 2	Serum-free, BPE-free	-	-	C-21040	-
	Airway Epithelial Cell Growth Medium XF (prf)	Serum-free, xeno-free, phenol red-free	-	-	C-21050	-
	Small Airway Epithelial Cell Growth Medium	Serum-free	C-21270	C-21275	C-21070	C-21170
	Air-Liquid Interface Medium (ALI-Airway)	Serum-free, BPE-free	-	-	C-21080	-
	Renal Epithelial Cell Growth Medium 2	Low-serum	C-26230	C-26235	C-26030	C-26130
	Mammary Epithelial Cell Growth Medium	Serum-free	C-21210	C-21215	C-21010	C-21110
Fibroblasts	Fibroblast Growth Medium	-	C-23210	C-23215	C-23010	C-23110
	Fibroblast Growth Medium 2	Low-serum	C-23220	C-23225	C-23020	C-23120
	Fibroblast Growth Medium 3	-	C-23230	C-23235	C-23025	C-23130
	Fibroblast Growth Medium D-ACF	Defined, animal component-free	-	-	C-23027	-
	Fibroblast Growth Medium D-ACF, phenol red-free	Defined, animal component-free, phenol red-free	-	-	C-23017	-

Cell type	Product	Special formulation features	Catalog no.			
			Basal medium	Phenol red-free basal medium	Ready-to-use medium	Medium kit
Follicle dermal papilla cells	Follicle Dermal Papilla Cell Growth Medium	Low-serum	C-26500	C-26505	C-26501	C-26502
Keratinocytes	Keratinocyte Growth Medium 2	Serum-free	C-20211	C-20216	C-20011	C-20111
	Keratinocyte Growth Medium 3	Serum-free, BPE-free	-	-	C-20021	-
Melanocytes	Melanocyte Growth Medium	-	C-24210	C-24215	C-24010	C-24110
	Melanocyte Growth Medium M3	Serum-free, BPE-free	C-24410	-	C-24310	-
	Melanocyte Growth Medium M3 (prf)	Serum-free, BPE-free, phenol red-free	-	-	C-24311	-
Osteoblasts	Osteoblast Growth Medium	-	C-27010	C-27015	C-27001	-
	Osteoblast Mineralization Medium	-	-	-	C-27020	-
Preadipocytes	Preadipocyte Growth Medium	Low-serum	C-27411	C-27415	C-27410	C-27417
	Preadipocyte Differentiation Medium	Defined, animal component-free	-	-	-	C-27437
	Adipocyte Nutrition Medium	Low-serum	C-27431	C-27435	C-27438	C-27439
Skeletal muscle cells	Skeletal Muscle Cell Growth Medium	Low-serum	C-23260	C-23265	C-23060	C-23160
	Skeletal Muscle Cell Differentiation Medium	Defined, animal component-free	-	-	C-23061	-
Smooth muscle cells	Smooth Muscle Cell Growth Medium 2	Low-serum	C-22262	C-22267	C-22062	C-22162

## Media for stem cells

Cell type	Product	Special formulation features	Catalog no.
			Ready-to-use medium
Human mesenchymal stem cells	Mesenchymal Stem Cell Growth Medium XF	Serum-free, xeno-free	C-28019
	Mesenchymal Stem Cell Growth Medium XF, phenol red-free	Serum-free, xeno-free, phenol red-free	C-28018
	Mesenchymal Stem Cell Growth Medium 2	Low-serum	C-28009
	Mesenchymal Stem Cell Growth Medium 2, phenol red-free	Low-serum, phenol red-free	C-28017
	Mesenchymal Stem Cell Chondrogenic Differentiation Medium	Serum-free	C-28012
	Mesenchymal Stem Cell Osteogenic Differentiation Medium	-	C-28013
	Mesenchymal Stem Cell Neurogenic Differentiation Medium	Serum-free	C-28015
	Mesenchymal Stem Cell Adipogenic Differentiation Medium 2	-	C-28016
Hematopoietic progenitor cells	Hematopoietic Progenitor Expansion Medium XF	Serum-free, xeno-free	C-28021**
	Hematopoietic Progenitor Cell Expansion Medium XF, phenol red-free	Serum-free, xeno-free, phenol red-free	C-28022**
Pericytes	Pericyte Growth Medium 2	Low-serum	C-28041
	Pericyte Growth Medium 2, phenol red-free	Low-serum, phenol red-free	C-28042

\*\*without cytokines

## Media for blood and immune cells

Cell type	Product	Special formulation features	Catalog no.	
			Basal medium	Ready-to-use medium
Dendritic cells	DC Generation Medium	-	C-28053	C-28050
	DC Generation Medium XF	Serum-free, xeno-free	C-28054	C-28052
Macrophages	Macrophage Base Medium XF	Serum-free, xeno-free	C-28057	-
	M1-Macrophage Generation Medium XF	Serum-free, xeno-free	-	C-28055
	M2-Macrophage Generation Medium XF	Serum-free, xeno-free	-	C-28056
Monocytes	Monocyte Attachment Medium	Defined, animal component-free, protein-free	-	C-28051
Mononuclear cells	Mononuclear Cell Medium	-	-	C-28030

## Media for cancer cells

Product	Special formulation features	Catalog no.	
		Ready-to-use medium	Medium kit
Primary Cancer Culture System	Defined, animal component-free	-	C-28081
3D Tumorsphere Medium XF	Serum-free, xeno-free	C-28070	-
3D Tumorsphere Medium XF, phenol red-free	Serum-free, xeno-free, phenol red-free	C-28075	-
Cancer Cell Line Medium XF	Serum-free, xeno-free	C-28077	-

## Excipient GMP-grade\* cell culture media

Cell type	Product	Special formulation features	Catalog no.
			Ready-to-use medium
Mesenchymal stem cells	PromoExQ_Mesenchymal Stem Cell Growth Medium 2 (prf)	Low-serum, phenol red-free	EQ-C-28017
	PromoExQ_MSC Growth Medium XF (prf)	Serum-free, xeno-free, phenol red-free	EQ-C-28018
Hematopoietic progenitor cells	PromoExQ_HPC Expansion Medium XF (prf)	Serum-free, xeno-free, phenol red-free	EQ-C-28022
Fibroblasts	PromoExQ_Fibroblast Growth Medium D-ACF (prf)	Defined, animal component-free, phenol red-free	EQ-C-23017
Pericytes	PromoExQ_Pericyte Growth Medium 2 (prf)	Phenol red-free	EQ-C-28042
All	PromoExQ_CellNAP	Defined, animal component-free, protein-free, phenol red-free	EQ-C-29930, EQ-C-29932

\*"GMP-grade" is a branding term used by PromoCell to denote reagents that are manufactured at the PromoCell manufacturing facility in Heidelberg, Germany, under strictly controlled processes to meet stringent product specifications and customer requirements. Reagents manufactured at PromoCell are produced according to EXCiPACT™ GMP standards, a quality management system that builds on our ISO 9001:2015 certification. Risk assessment procedures are carried out at the customer site.



## Special reagents for expansion, cell dissociation and cryopreservation

Cell type	Product	Special formulation features	Catalog no.
All	DetachKit	-	C-41200, C-41210, C-41220
	Accutase-Solution	-	C-41310
	Cryo-SFM Plus	Defined, animal component-free, protein-free	C-29920, C-29922
	Cryo-SFM Plus, phenol red-free	Defined, animal component-free, protein-free, phenol red-free	C-29930, C-29932
Cancer cells	NCCD Reagent	-	C-43080
Hematopoietic progenitor cells	Cytokine Mix E for HPC Expansion Medium XF	Serum-free, xeno-free	C-39890, C-39891
Macrophage	Macrophage Detachment Solution	Chemically defined, non-enzymatic	C-41330
	Lymphocyte Separation Medium 1077	-	C-44010

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At PromoCell, our media are available as ready-to-use or as kits. The ready-to-use media consists of one bottle of basal medium and one vial of SupplementMix. The kit consists of a bottle of basal medium and the SupplementPack (a set of individual vials with pre-measured supplements) allowing the user full control over the media formulation. Adding the SupplementMix or the SupplementPack to the basal medium results in the complete growth medium. This brochure gives a complete overview of our media in different formats.

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## Discover more

Our flexible manufacturing pipeline enables us to offer a wide range of customized cell culture media.

Learn more: [promocell.com/services/custom-cell-culture-media-solutions/](https://promocell.com/services/custom-cell-culture-media-solutions/)

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## Contact us

Do you need help finding the right media? Get in touch with our experts at [scientific.support@promocell.com](mailto:scientific.support@promocell.com)



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