

Mesenchymal stem cell culture

Designed to support every stage of your human mesenchymal stem cell applications

Cell sourcing



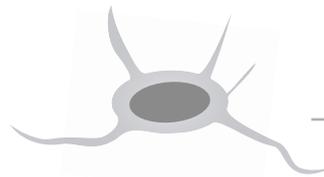
Bone marrow



Adipose tissue

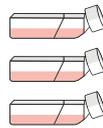


Umbilical cord

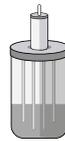


Mesenchymal stem cell

Expansion



2D expansion



Bioreactor 3D expansion

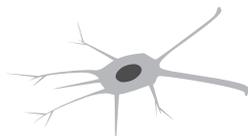


Excipient GMP-grade manufacturing

Functional analyses



Adipocyte



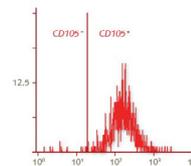
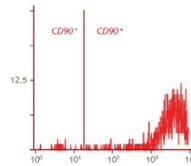
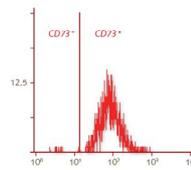
Neuron



Osteoblast



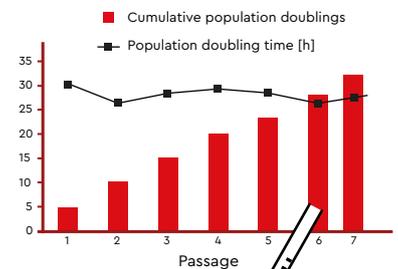
Chondrocyte



Differentiation

Flow cytometry

hMSC-BM in MSC-GM DXF



Cellular assay

Human mesenchymal stem cells



Product	Marker	Cat. No.
Human Mesenchymal Stem Cells from Bone Marrow (hMSC-BM)	CD105 ⁺ /CD73 ⁺	C-12974
Human Mesenchymal Stem Cells from Umbilical Cord Matrix (hMSC-UC)	CD90 ⁺ and CD45 ⁻ /CD34 ⁻	C-12971
Human Mesenchymal Stem Cells from Adipose Tissue (hMSC-AT)	CD14 ⁻ /CD19 ⁻ HLA-DR ⁻	C-12977

MSC isolation and expansion media



Product	Size	Cat. No.
Mesenchymal Stem Cell Growth Medium 2 (Ready-to-use)	500 ml	C-28009
Mesenchymal Stem Cell Growth Medium XF * (Ready-to-use)	500 ml	C-28019
Mesenchymal Stem Cell Growth Medium XF * (Ready-to-use), phenol red-free	500 ml	C-28018
PromoExQ MSC Growth Medium XF * (Manufactured in compliance with the EXCiPACT™ GMP certification standard)	500 ml	EQ-C-28019

* Fibronectin- or vitronectin-coated plates are necessary in conjunction with the xeno-free (XF) media

MSC differentiation media



Product	Size	Cat. No.
MSC Adipogenic Differentiation Medium 2 (Ready-to-use)	100 ml	C-28016
Mesenchymal Stem Cell Chondrogenic Differentiation Medium (Ready-to-use)	100 ml each	C-28012
Mesenchymal Stem Cell Osteogenic Differentiation Medium (Ready-to-use)	100 ml	C-28013
Mesenchymal Stem Cell Neurogenic Differentiation Medium (Ready-to-use)	100 ml	C-28015

Contact us

Do you need cells from a specific donor type or from an already HLA-typed donor?

Visit <https://promocell.com/research-areas/stem-cell-research/> to find out more or contact us with your donor requirements: info@promocell.com

PromoCell GmbH
Sickingenstr. 63/65
69126 Heidelberg
Germany

info@promocell.com
www.promocell.com

USA/Canada
Phone: 1 – 866 – 251 – 2860 (toll free)
Fax: 1 – 866 – 827 – 9219 (toll free)

Deutschland
Telefon: 0800 – 776 66 23 (gebührenfrei)
Fax: 0800 – 100 83 06 (gebührenfrei)

France
Téléphone: 0800 – 90 93 32 (ligne verte)
Téléfax: 0800 – 90 27 36 (ligne verte)

United Kingdom
Phone: 0800 96 03 33 (toll free)
Fax: 0800 169 85 54 (toll free)

Other Countries
Phone: +49 6221 – 649 34 0
Fax: +49 6221 – 649 34 40

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