

List of compatible media and reagents for mesenchymal stromal cell biomatrices

denovoMATRIX develops and manufactures biomimetic coatings that enable the culture of a wide variety of primary cells and stem cells including mesenchymal stromal cell types (MSCs). Our system of biomatrices for MSC recapitulate key functions of the natural extracellular matrix (ECM) making cell culture easy and robust across scales and processes. The following lists provide a resource about compatible human MSC types, media to apply at the different stages of MSC culture, and chemicals for MSC detachment. The information on the medium composition, e.g. serum, xeno-free, chemically defined, is based on the manufacturer's statements. All matrices for MSCs are animal and human component-free and chemically defined.

GENERAL CONSIDERATIONS

We recommend to:

- Backup cells before adapting to a new medium or reagent
- Consult media/reagent manufacturer for detailed information on use
- Maintain cells in a new medium for at least 2 passages before use



MESENCHYMAL STROMAL CELL TYPES (MSCs)

Confirmed growth over at least 3 passages on myMATRIX MSC:

- Umbilical cord-derived MSCs
- Adipose tissue-derived MSCs
- Bone marrow-derived MSCs
- Placenta-derived MSCs

CELL DETACHMENT SOLUTION

- TrypLE™ Express Enzyme
- Trypsin & Trypsin/EDTA
- Accutase
- Collagenase
- Dispase



Curious about myMATRIX MSC?

Read the appnote about compatible media at www.denovomatrix.com



isomATRIX
BIOMATRICES FOR CELL CULTURE

(XF= Xeno-free, SF= Serum-free)

Compatible media	Supplier	Composition	Cat.No.
ELAREM™ Perform-FD + DMEM	PLBioScience	XF	PE20612
ELAREM™ Perform-FD Plus + DMEM	PLBioScience	XF	PE30611
PRIME-XV MSC Expansion XSFM	Irvine Scientific	XF & SF	91149
RoosterNourish™-XF	Roosterbio	XF	KT-016
StemPro™ MSC SFM	Gibco	SF	A1033201
StemPro™ MSC SFM XF	Gibco	XF	A1067501
TheraPEAK MSCGM MSC	Lonza	SF	BEBP18-936



myMATRIXMSC
BIOMATRICES FOR CELL CULTURE

(ACF= Animal-component free, CD= Chemically defined)

Compatible media	Supplier	Composition	Cat.No.
ELAREM™ Perform-FD + DMEM	PLBioScience	XF	PE20612
ELAREM™ Perform-FD Plus + DMEM	PLBioScience	XF	PE30611
Cellovations MSC Cell growth media	PELOBiotech	XF	PB-C-MH-675-0511-XF
MesenCult™-ACF Plus	Stemcell Technologies	ACF	5445
MSC Growth Medium XF	PromoCell	SF & XF	C-28019
NutriStem XF	Biological Industries	XF & SF	05-200-1A
PRIME-XV MSC Expansion XSFM	Irvine Scientific	XF & SF	91149
RoosterNourish™-XF	RoosterBio	XF	KT-016
Stemfit	Ajinomoto/Amsbio	CD	SFMSC-A3
StemMACS MSC Expansion medium	Miltenyi Biotec	XF & SF	130-104-182
StemPro™ MSC SFM	Gibco	SF	A1033201
SuperCult hMSC Growth Medium Kit	Creative Bioarray	CD	CM-1325L
TheraPEAK MSCGM MSC	Lonza	SF	BEBP18-936



beadMATRIX
BIOMATRICES FOR 3D CULTURE

Compatible media	Supplier	Composition	Cat.No.
MSC Growth Medium XF	PromoCell	SF & XF	C-28019
PRIME-XV MSC Expansion XSFM	Irvine Scientific	XF & SF	91149
RoosterNourish™-XF	RoosterBio	XF	KT-016
StemPro™ MSC SFM	Gibco	SF	A1033201

LIST_CO1_V03

For more information about myMATRIX products, visit www.denovomatrix.com

denovoMATRIX receives support from

