

**SIMPLIFY
COMPLEXITY**

**AMPLIFY
EXCELLENCE**

MesenPlify™ sXF
Xeno-Free, Serum-Free
Human MSC Expansion Media



InnoCellular



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► **Product Overview**

MesenPlify™ sXF is a complete Xeno-free, Serum-free media for the optimized expansion of human mesenchymal stem cell (hMSCs). It provides consistency and superior expansion performance. Culture MSCs exhibits high level of MSC surface markers and maintain multilineage differentiation capability!

► **Why MesenPlify™ sXF?**



Xeno-Free, Serum-Free

No non-human originated components nor serum.



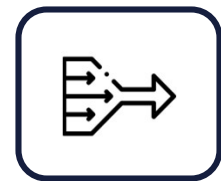
Reliable

Serum-Free formulations allows high reproducibility.



Robust Performance

Exceptional cell expansion



Simplified Workflow

No coating is required!

► **Product Specification**

Product	Catalog #	Components	Item Catalog #	Size	Storage Condition
MesenPlify™ sXF MSC Media (500mL)	C0001	Basal Media	S0001	470mL	2-8°C
		Supplement	SU0001	30mL	-15 to -20°C

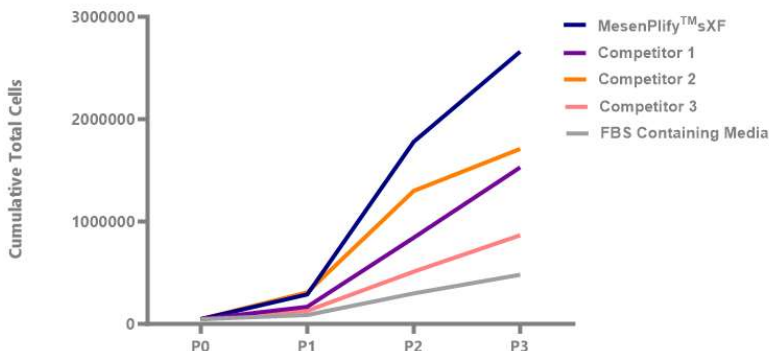
MesenPlify™ sXF hMSC Expansion Media

Cat #C0001

Xeno-Free

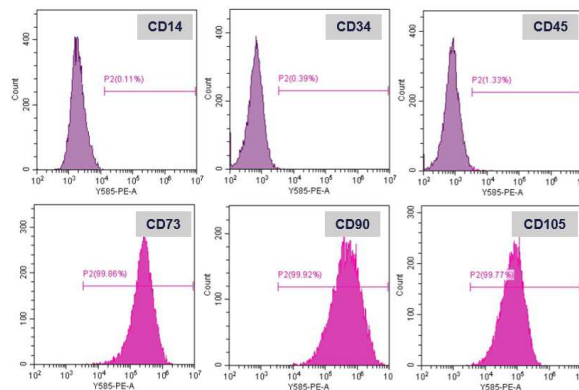
Serum-Free

► Superior Expansion



Superior Expansion. hMSC culture in MesenPlify™ sXF demonstrates superior expansion than FBS-containing media.

► Expression of ISCT-Defined Markers

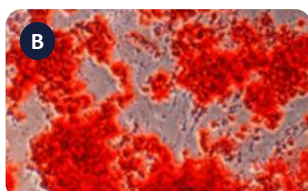
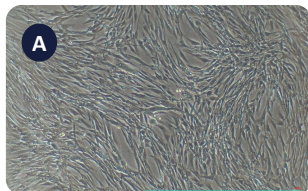


MSCs express the Surface Markers defined by ISCT. MSCs expanded using MesenPlify™ sXF shows high expression of MSC (CD73, CD90 and CD105) and lack expression of hematopoietic markers (CD14, CD34 and CD45).

► Multilineage Differentiation

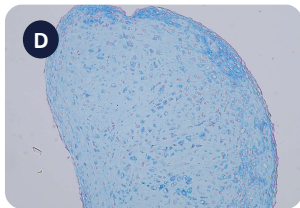
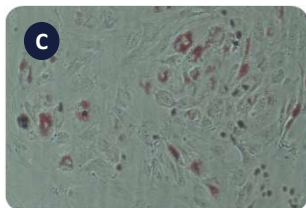
Cell Morphology

Osteoblasts



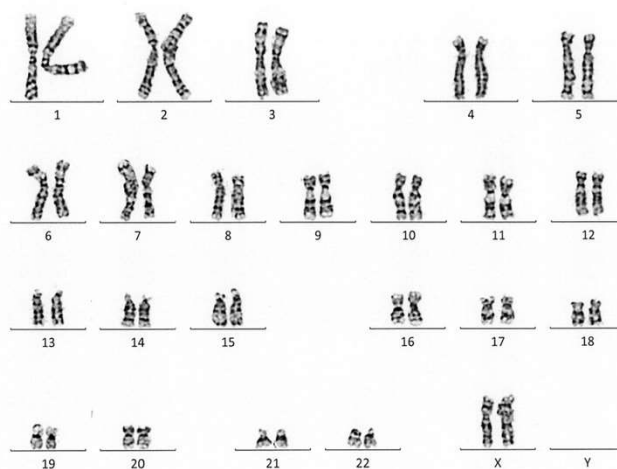
Adipocytes

Chondrocytes



MesenPlify™ sXF cultured MSCs retain lineage differentiation capability. (A) Human BM-derived MSCs cultured in MesenPlify™ were demonstrated with differentiation capabilities to (B) osteoblasts (Alizarin Red S staining), (C) adipocytes (Oil Red O staining), (D) chondrocytes (Alcian Blue staining).

► Karyotyping



Adipose-derived MSCs
46, XX

Normal Karyotyping of MSC culture using MesenPlify™ sXF . G-banding karyotyping analysis of hMSCs expanded using MesenPlify™ sXF maintain genome stability.

Place your order or contact us for further information.

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Contact Us

InnoCellular Tech Pte Ltd
79 Ayer Rajah Crescent, #05-03, Singapore 139955

Website: www.innocellular.com
Email: enquiry@innocellular.com

Website

InnoCellular

