



RoosterReplenish™

hMSC BIOREACTOR FEED



A concentrated bioreactor feed, RoosterReplenish-MSC-XF & ^{prc}RoosterReplenish-MSC-CC enable a fed-batch process for scalable, translation-ready cGMP hMSC manufacturing.

Enhance media productivity by up to 70% to drive a radically cost-effective large-scale cGMP hMSC manufacturing process. Embed continuity in your cell manufacturing with a xeno-free (XF) format for research and product development in addition to a CliniControl™ (CC) bagged format for further cGMP manufacturing.

When used alongside RoosterBio's high-volume hMSCs and RoosterNourish™ bioprocess media, this product is specifically engineered to achieve high cell growth in micro-carrier-based suspension culture and is scalable to meet your current and future quality and volume needs – industrializing your hMSC supply chain.

PRODUCT FEATURES

Xeno-free with cGMP | ^{prc}formats* available

Eliminates need for media exchange

50X concentrated supplement

Closed-system bagged formats

PRODUCT BENEFITS



Increased Media Productivity



Streamlines Culture Processes



Translation-Ready Formats



Part of a Complete Bioreactor Solution

hMSC Bioreactor Cell Density Using Culture Feed Regimens

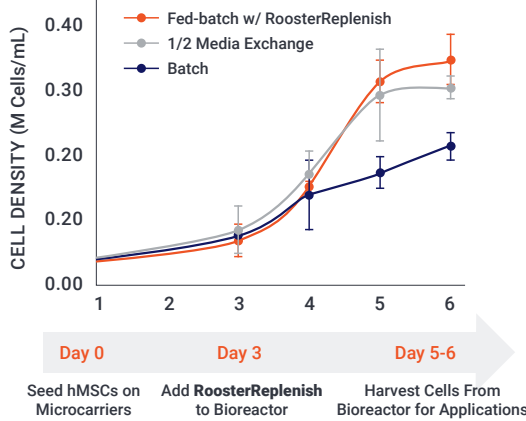


Fig 1(a)

Enhanced Media Productivity in Bioreactors Using a Fed-Batch System with RoosterReplenish

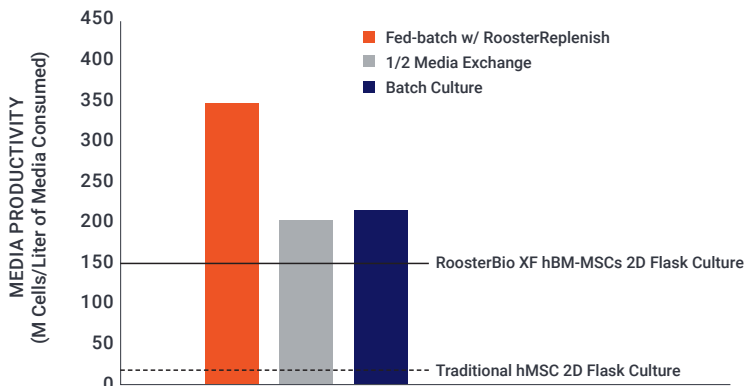


Fig 1(b)

WE PROVIDE SCALABLE PROCESS RECOMMENDATIONS TO MAXIMIZE hMSC YIELDS



RoosterBio®

Fig 1(a). A comparison of hMSC cell densities in bioreactor culture using batch, 1/2 media exchange, and fed-batch processes. RoosterVial™-hMSC were cultured in suspension on microcarriers in RoosterNourish™ and fed with RoosterReplenish on day 3, and compared to other processes. Fig 1(b): Fed-batch culture using RoosterReplenish outperforms either 1/2 media exchange or batch culture in media productivity by over 70% - achieving 300 million to 600 million (M) cells/L and >17 -fold increase from flask based systems [note: yields are dependent on donor].

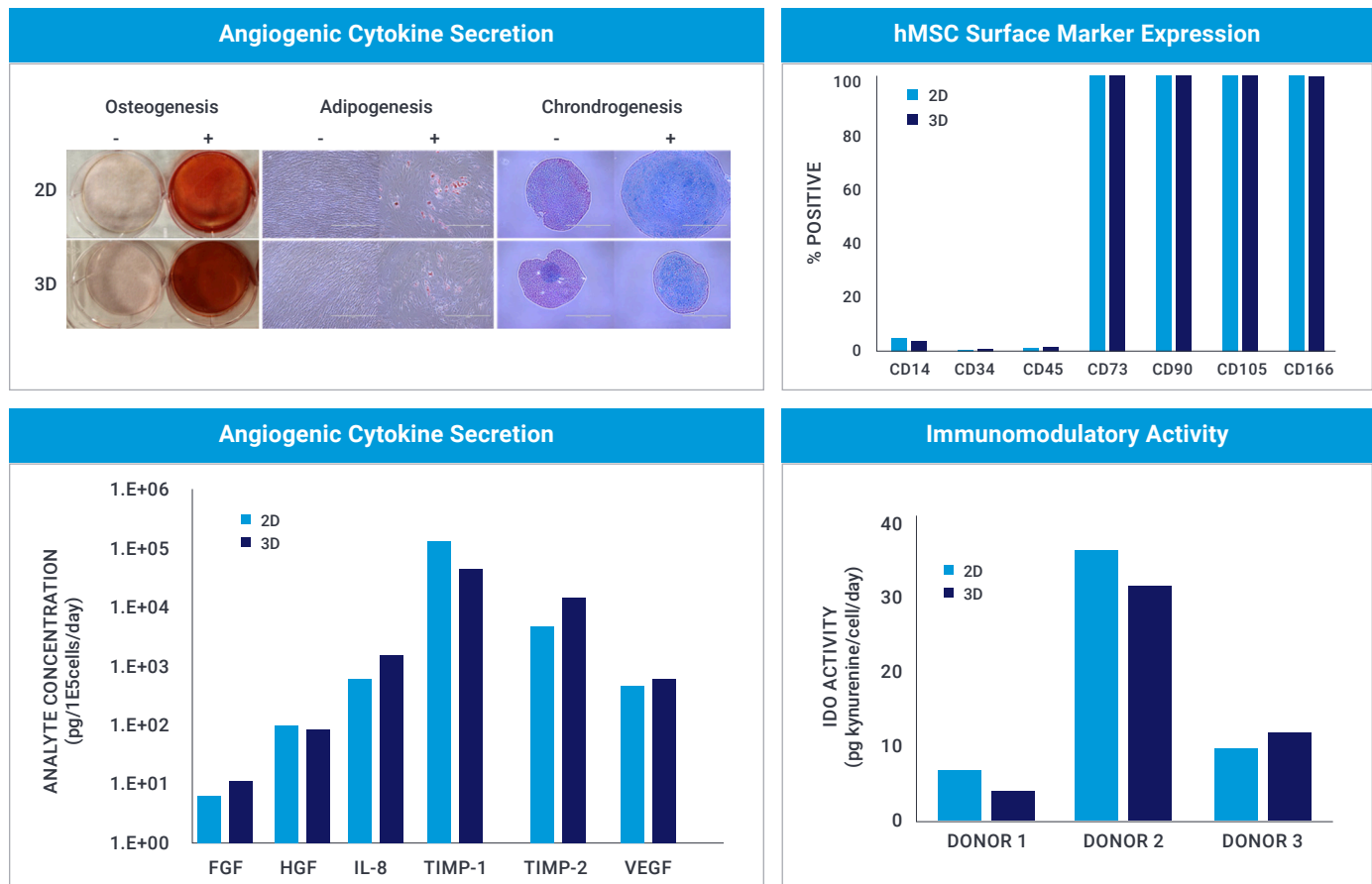
*^{prc}RoosterReplenish-MSC-CC is a cGMP manufactured format with 'pathogen reduced components' (prc) for increased regulatory profile.

USE LESS AND GET MORE OUT OF YOUR SCALABLE cGMP-READY hMSC BIOREACTOR PROCESS

Applications of RoosterReplenish™ Enabled Fed-Batch Process

CELL & GENE THERAPY | EXTRACELLULAR VESICLE PRODUCTION | TISSUE ENGINEERING

RoosterBio's 2D Batch & 3D Fed-Batch Systems Maintain hMSC Attribute Comparability



PRODUCT INFORMATION

PRODUCT	SKU / CATALOG #	UNIT SIZE	INTENDED USE
RoosterReplenish-MSC-XF	SU-023	30 mL bottle	For Research Use Only
prcRoosterReplenish-MSC-CC	S02001	100 mL bag	For Further Manufacturing Use Only



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RoosterBio, Inc is a privately held manufacturing platform technology company based in Frederick, MD focused on accelerating the development of a sustainable regenerative medicine industry, one customer at a time.