

POWERING THE STEM CELL REVOLUTION

Simple, abundant and affordable product formats.
Standardized, scalable and robust process design.

www.roosterbio.com



RoosterBio[®]
Radically Simplifying Use of MSCs

Products that standardize your research, save you time and money, and accelerate your path to the clinic.



REIMAGINE YOUR RESEARCH WITH OUR HUMAN MESENCHYMAL STEM/STROMAL CELLS

Our translation-friendly bone marrow and adipose-derived hMSCs are offered in 1M cell vial Working Cell Banks and in a high volume 10M cell vial format. Our hMSCs are designed for experiments requiring anywhere from 5M to 1+ billion hMSCs. Each vial of development grade cells are **guaranteed to expand 10-fold within a week** when paired with our media systems.

Minimize variability and maximize reproducibility and productivity with our hMSCs.



RAPIDLY, REPRODUCIBLY AND ECONOMICALLY GROW hMSCs WITH HIGHLY-ENGINEERED MEDIA SYSTEMS

Our RoosterNourish[™]-MSC Bioprocess Media Systems are engineered specifically for mesenchymal stem cells. Our traditional media formulations contain low levels of high-quality serum and a proprietary mixture of growth factors and cytokines that are known mitogens for hMSCs. Our media systems are designed for rapid proliferation so that you obtain your cell volumes quickly, efficiently, and reproducibly, and with just 1/6 the media traditionally needed to generate cells for experiments.



SCREEN DONORS AND SAVE TIME & MONEY WITH UNPRECEDENTED PRODUCT FORMATS

Rapidly and Economically screen multiple hMSC donors with our DonorScreening Kit. Bundle our cell and media systems to save even more money. We work with you to provide product formats that accelerate your product development and path to the clinic, all while saving you time and money.

Whether you need 5 million or 5 billion hMSCs, we get you there rapidly, economically, and reproducibly.



RoosterBio hMSCs undergo the most rigorous Quality Control testing in the Industry.

PRODUCT	FORMATS
hMSCs, 1 million cells per vial	Kits Working Cell Banks
hMSCs, 10 million cells per vial	Individual Vials Working Cell Banks
hMSCs, 50 million ready-to-print cells per vial	Individual Vials
RoosterNourish™-MSC Media Kits	500 mL

All hMSC products available from bone marrow and adipose tissue. INTENDED USE: THESE PRODUCTS ARE FOR RESEARCH USE ONLY.

PRODUCT DESCRIPTION

hBM-MSC. RoosterBio's flagship product, bone marrow-derived Mesenchymal Stem/Stromal Cells are isolated from adult human iliac crest and expanded from a variety of normal, healthy donors. Each cryovial of cells contains viable MSCs at a population doubling level 6-9, post mononuclear cell isolation. 10x expansion in 1 week of culture is guaranteed in our media systems.

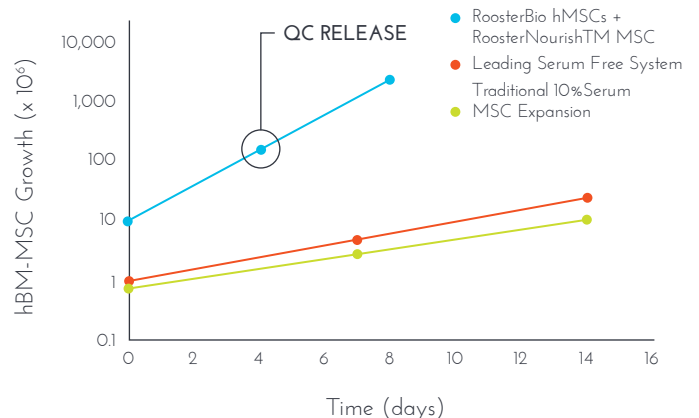
hAD-MSC. RoosterBio's adipose-derived Mesenchymal Stem/Stromal Cells are isolated from adult lipoaspirate and expanded from a variety of normal, healthy donors. Each cryovial of cells contains viable MSCs at a population doubling level 6-9, post cell isolation. 10x expansion in 1 week of culture is guaranteed in our media systems.

RoosterNourish™-MSC Bioprocess Media Kits. Our high productivity media systems have been engineered for efficient cell expansion and provide 3-4 population doublings of RoosterBio hMSCs within the first 5-7 days post-thaw.

QUALITY CONTROL

Rigid QC testing is performed on all hMSC and Media Kit lots. Cells are tested for growth, viability, identity (via flow cytometry) and multilineage differentiation. Cytokine secretion levels and immunomodulatory function are also reported in a detailed Certificate of Analysis.

QC THAT MATTERS: All product lots must expand to at least 100M cells in 5-7 days time



Seigel et. Al (2013) Phenotype, donor age and gender affect function of human bone marrow-derived mesenchymal stromal cells, BMC Medicine 2013, 11:146

All RoosterBio hMSC product lots must expand at least 10x within 5-7 days to be released for sale.

6 hMSC donors to choose from.
Conduct robust experiments using multiple donors.

Our hMSCs come with data on multi-lineage differentiation potential, MSC PDL, immunomodulatory potential, and angiogenic cytokine secretion levels.

MAKE INFORMED CHOICES. PERFORM HIGH-IMPACT, TRANSLATIONAL RESEARCH.



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