

ENABLING INNOVATIVE REGENERATIVE MEDICINE SOLUTIONS

StemBioSys® is committed to enhancing the quality and economics of isolating, growing and delivering stem cells through our novel High Performance Micro Environment (HPME®) technology. Our patented bone marrow HPME (BM-HPME®) creates a natural, protein based environment for expanding stem cells, resulting in small, proliferative and undifferentiated cells.

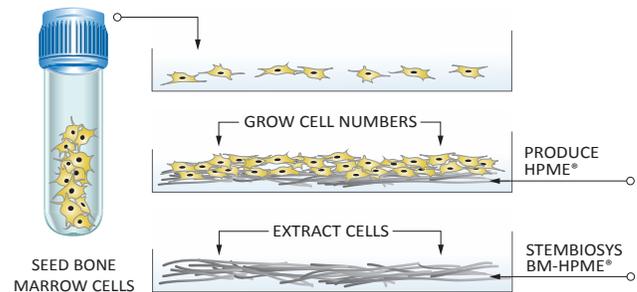
ABOUT BM-HPME®

Stem cells have emerged as the future of health care but there are a number of unmet needs which must be addressed before widespread clinical and therapeutic applications become a reality. StemBioSys's patented BM-HPME product offers a solution.

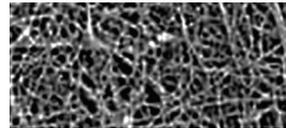
Our novel technology platform is an advanced stem cell culture system that replicates the 3-dimensional "home" in which stem cells naturally reside and proliferate. Our unique technology enables users to isolate and grow stem cells from a variety of sources including but not limited to adipose, bone marrow and umbilical cord blood/tissue.

This 3-dimensional microenvironment allows a variety of stem cells to replicate more rapidly and with greater preservation of stem cell phenotype ("stemness") than traditional tissue culture plastic. It has allowed StemBioSys to efficiently grow stem cells from a variety of sources opening up potential for research, pharmaceutical and novel clinical uses.

Production Process:



Finished Product:



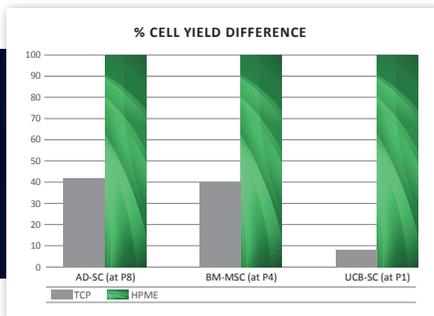
Electron Micrograph of BM-HPME



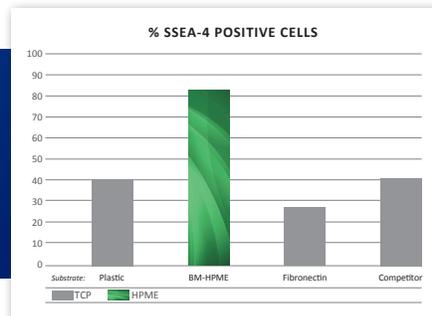
The Research product BM-HPME coated culture vessels

* BM-HPME may be protected by one or more of the following patents:
US Patent numbers 8,084,023; 8,388,947; 8,961,955.

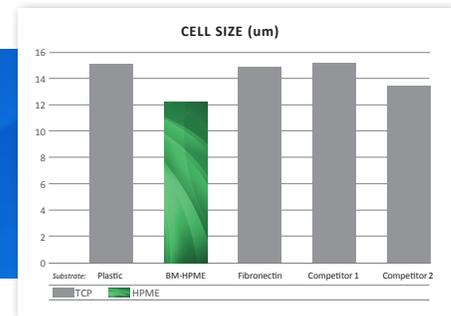
MORE CELLS



MORE STEMNESS



SMALLER SIZE



WHY BM-HPME®?

Multiple studies have shown that BM-HPME provides a higher quantity of usable stem cells, that are smaller, more proliferative and less differentiated when compared to cells grown on tissue culture-treated plastic and other comparable substrates.

BM-HPME IS ORIGINAL AND UNIQUE

BM-HPME is the only stem cell substrate to closely mimic the full biochemical and structural microenvironment that stem cells normally see in their native environment.

BM-HPME IS EASY-TO-USE

For the research market, the matrix is already attached to the culture vessel, no reconstitution of powders or fluids and coating of dishes performed by in-house laboratory personnel is required.

HIGHER QUALITY AND QUANTITY OF CELLS

Multiple experiments growing stem cells on HPME have exhibited enhanced growth and improved retention of key stem cell characteristics.

ABOUT STEMBIOSYS

Located in San Antonio, Texas, StemBioSys Inc. is an emerging biomedical company focused on the isolation, expansion and delivery of specialized adult stem cells for research, diagnostic and clinical use. The company is led by a team of industry renowned professionals in business, research and product development.

Unique Gene Expression

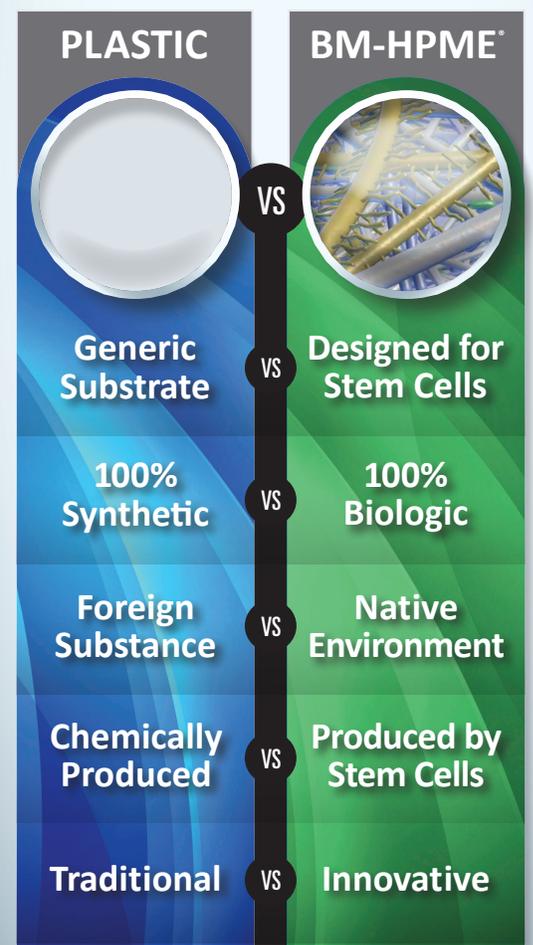
BM-HPME

Plastic



Compare plastic substrate to StemBioSys'

all natural BM-HPME



To inquire about purchasing our BM-HPME, please visit us at StemBioSys.com or call us at 210-877-9323.