CET
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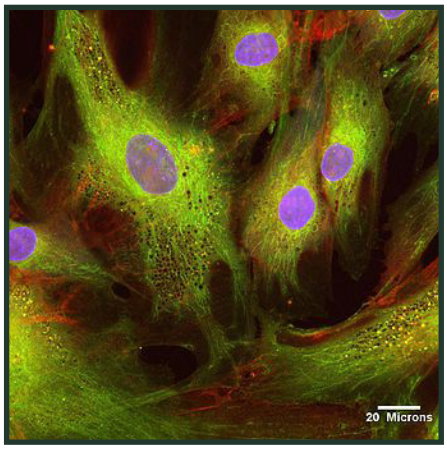
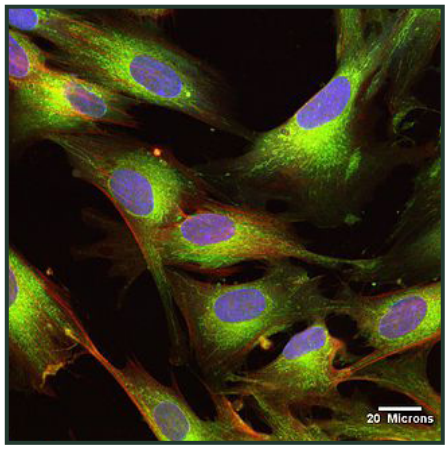
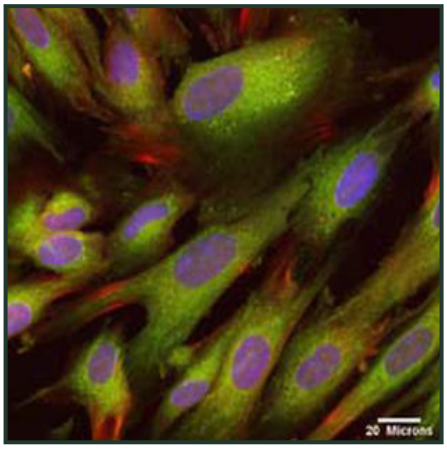
Cellular Engineering Technologies, Inc.

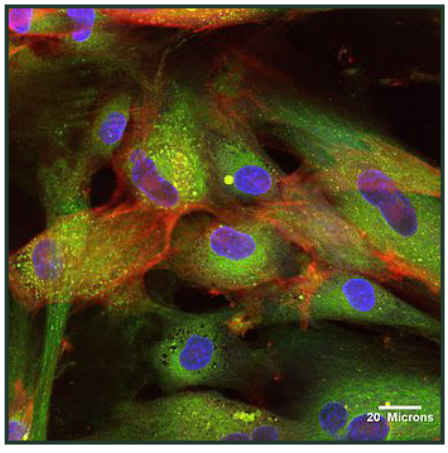
Human Somatic Stem Cells Products

Catalog 2019

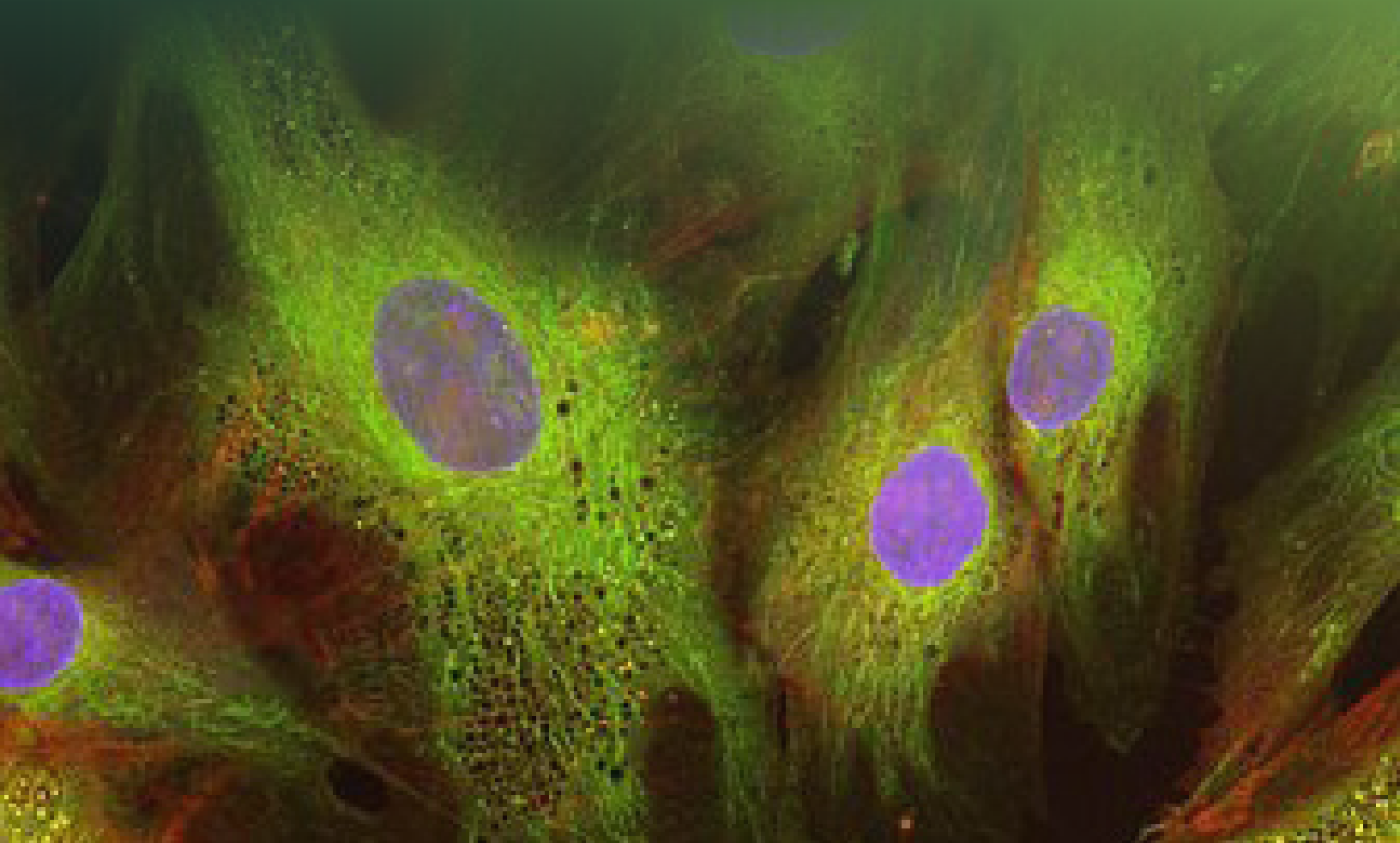




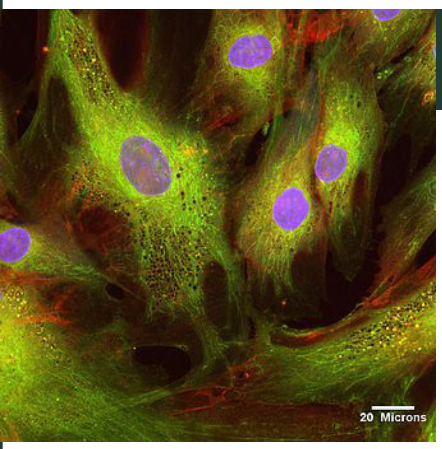




Somatic Stem Cell Products



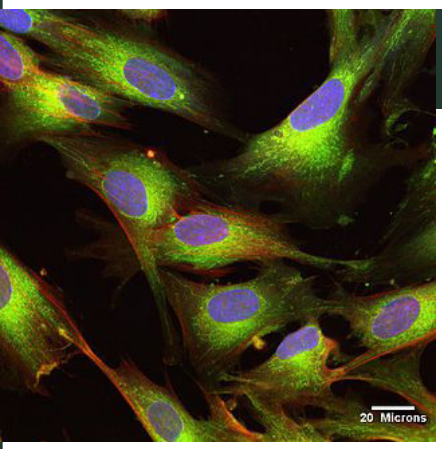
Mesenchymal Stem Cells



Human Adipose Derived Mesenchymal Stem Cells

HMSC.AD-100/500 **100,000 cells, $109.00 | 500,000 cells, $400.00**

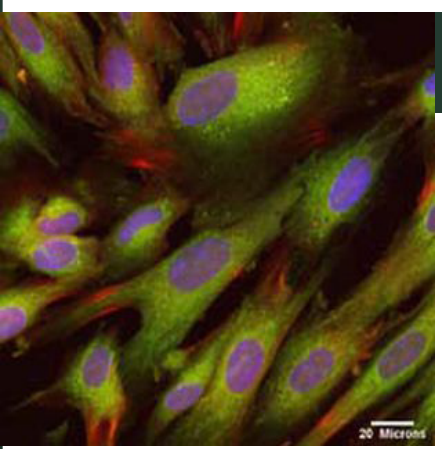
Human adipose derived mesenchymal stem cells are isolated from processed lipoaspirate. To ensure quality and consistency, cells are harvested from normal donors and passed three times to obtain a homogenous population. These cells are tailored for a variety of applications including differentiation into neuron like cells, adipocytes and osteoblasts. Cells are easy to manage and can be grown to confluency



Human Amniotic Membrane Mesenchymal Stem Cells

HMSC.AM-100/500 **100,000 cells, $188.00 | 500,000 cells, $750.00**

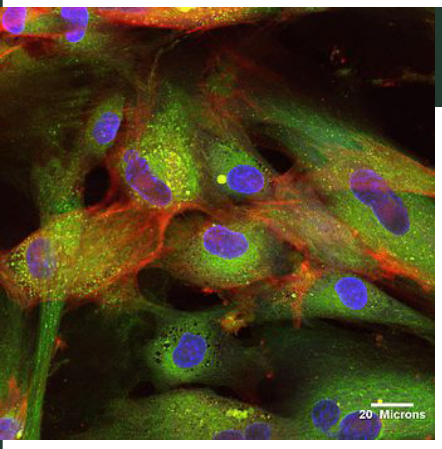
Human amniotic membrane mesenchymal stem cells are harvested after the amniotic membrane has been stripped of amniotic epithelial stem cells. The membrane is then digested enzymatically and mesenchymal stem cells are released. These cells have a variety of applications but are best suited for animal studies involving graft versus host responses and tissue differentiation into hepatocyte like cells.



Human Bone Marrow Mesenchymal Stem Cells

HMSC.BM-100/500 **100,000 cells, $107.00 | 500,000 cells, $425.00**

Human bone marrow mesenchymal stem cells were first used as a model system for the study of somatic stem cells. Our cells are isolated from red marrow collected from a single normal donor. The cells are then passed thrice to assure consistency. These cells are extremely versatile and have been used in a host of tissue differentiation applications including, but not limited to, adipogenic, chondrogenic, osteogenic and neural cell like conversions.

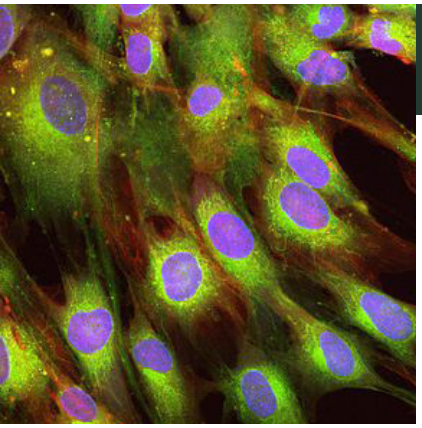


Human Wharton's Jelly Mesenchymal Stem Cells

HMSC.WJ-100/500 **100,000 cells, $150.00 | 500,000 cells, 600.00**

Human wharton's jelly mesenchymal stem cells are isolated from a single donor umbilical cord. The cord is dissected to remove blood vessels and preserve the substance between the vessels, which is the wharton's jelly. The wharton's jelly is then digested enzymatically, plated and passed thrice to yield a homogenous population. Unlike other MSC populations, these cells are slower growing and cannot be grown to extremely high densities. These cells are well suited to differentiate into hepatocyte like cells.

Cord Blood Derived Cells



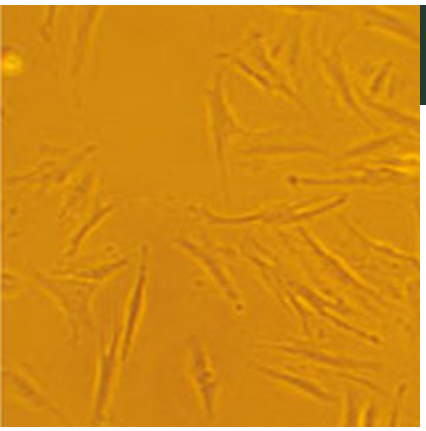
Human Multipotent Cord Blood Unrestricted Somatic Stem Cells

HMpC-100/500

100,000 cells, $225.00 | 500,000 cells, $900.00

Human Multipotent Cord Blood Unrestricted Somatic Stem Cells are isolated from fresh cord blood. Unlike MSC's, HMCBUSSC are extremely rare cells that can be expanded to very high densities. These cells are versatile and useful for tissue differentiation applications including conversion into neuron like cells and osteoblasts. In addition, these cells have been used in animal models to reverse liver injury by differentiation into hepatocyte like cells.

Ancillary Cells

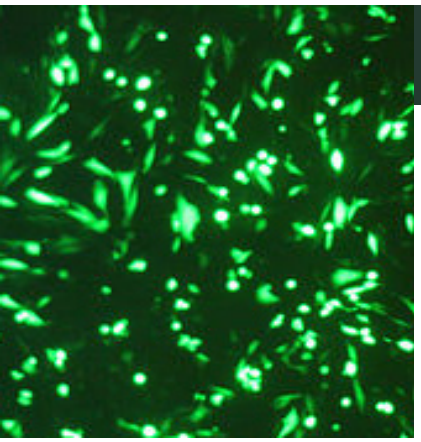


Human Foreskin Fibroblast Cells

HFFC-500

500,000 cells, $220.00

CET's human foreskin fibroblast cells are derived from neonatal human foreskins. Cells are passaged until uniform fibroblast morphology is achieved. HFF's are versatile cells that are important in a variety of disciplines including use as stem cell feeder lines and in virological applications. CET can treat cells with mitomycin C, for use as feeder cells, for an additional charge. Please call or email if you are interested in this service



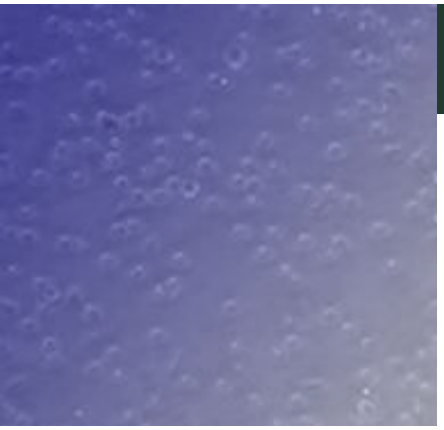
CHO Cells

CET.CHO.CELL.K1

500,000 cells, $279.00

A K1 subclone of a parental Chinese hamster ovary (CHO) cell line has been optimized for protein production. The cell line has been adapted to grow under suspension and adherent cultured conditions. Cell growth has been further adapted to expand under serum-free conditions using our companion CHO media. An example of protein production is illustrated by the expression of a green fluorescent protein next to this description.

Hematopoetic Stem Cells



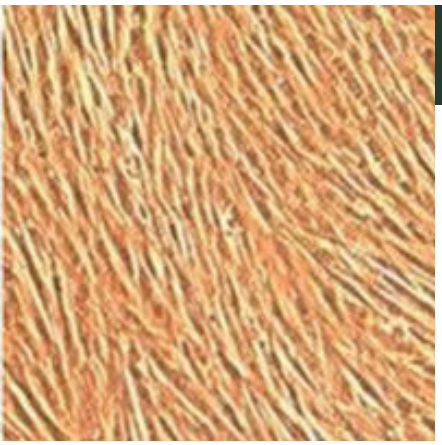
CD34+ Hematopoietic Stem Cells

HCD34-100/500

100,000 cells, $400.00 | 500,000 cells, $950.00

CD34+ Hematopoietic stem cells are robotically isolated from fresh cord blood using antibody based separation. CD34+ stem cells have been used by stem cell scientists for a variety of purposes including ex vivo expansion, tissue differentiation and immunological applications

Cancer Biology

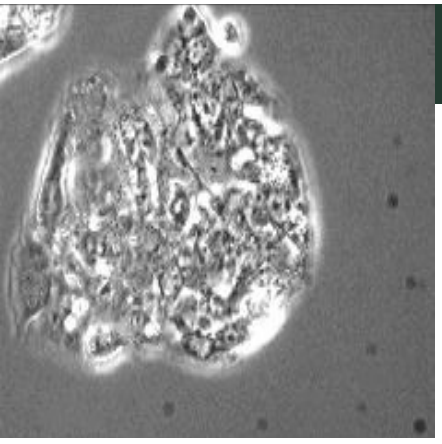


Lung Cancer Associated Fibroblasts

HNSC.CLAF-500

500,000 cells, $400.00

Increasing evidence in cancer literature indicates the importance of tumor associated fibroblasts. It is thought that these cells secrete cytokines and growth factors that may be necessary to potentiate tumor growth. CET's LCAF's are isolated from tumor tissue which has been enriched for fibroblast growth. Cells are then passaged to assure homogeneity. LCAF's can be grown to make conditioned media, which can then be tested by GC or HPLC for growth factors secreted, and also for co-culture with tumor cells of the lung.



HepG2 Human Hepatocellular Carcinoma Cells

HEPG2-500

500,000 cells, $220.00

HepG2 hepatocarcinoma cells have been the work horse for cell biologists for many years. They have been used in the study of carcinogenesis, as a surrogate for liver toxicity and drug screening, the analysis of signaling events, and molecular biology and protein based assays. CET's hepG2 cells are homogeneous and grow robustly in culture.

Stem Cell Media

Mesenchymal Stem Cell Expansion Media
HMSC.E.Media-450 **450mL, $50.00**

CET's mesenchymal stem cell expansion media is designed to work with all of our mesenchymal stem cells and MSBUSSC. It has a long shelf life of about three months, is inexpensive, and maintains stem cells in an undifferentiated state.

Cryopreservation Media
CRYO.Media-100 **100mL, $42.00**

CET's cryopreservation media is extremely versatile and can be used to freeze both adherent and non-adherent cells. Our media has been tested with hematopoietic stem cells, mesenchymal stem cells, amniotic epithelial stem cells, cancer cells, endothelial cells, fibroblasts and immune cells. Cells can then be stored on a long term basis in the vapor phase of a liquid nitrogen storage tank. Upon thawing, cells show greater than 95% viability, very little debris formation and cell death.

Lung Cancer Associated Fibroblast Expansion Media
HLCAF.E.Media-450 **450mL, $42.00**

CET's lung cancer associated fibroblast expansion media is designed to work with LCAF cells. LCAF cells can be propagated efficiently and robustly in this media formulation.

Cord Blood Multipotent Unrestricted Somantic Stem Cell Expansion Media
HMpC.E.Media-450 **450mL, $50.00**

CET's cord blood multipotent unrestricted somantic stem cell expansion media is designed to work with our cord blood stem cells. It has a long shelf life of about three months, is inexpensive, and maintains stem cells in an undifferentiated state.

CHO Media
CET.CHO.Media.1000 **1L, $115.99**

CET's Serum-Free CHO Medium is chemically-defined, serum-free, protein-free and animal origin-free and is specifically designed for high density growth for both adherent and suspension Chinese Hamster Ovary (CHO) cell cultures. This medium is transfection-compatible with a number of transfection reagents and maintains high viability at high cell densities. The media, along with CET's CHO cells have been optimized not only for cell growth but also small and large scale protein production.

More Media

Adipogenic Differentiation Media
ADI.D.Media-450 **450mL, $158.00**

Adipogenic Differentiation Media is designed to be used with Human Adipose Derived Mesenchymal Stem Cells and Human Bone Marrow Mesenchymal Stem Cells, all of which are available separately. When used as directed, this media will support differentiation of these stem cells into adipose or fat producing cells. Although both cell types will differentiate, we highly recommend use of the Human Adipose Derived Mesenchymal Stem Cells since they are far more efficient at differentiating into fat producing cells compared to Human Bone Marrow Mesenchymal Stem Cells.

Chondrogenic Differentation Media
CARDIO.D.Media-100 **450mL, $179.00**

Chondrogenic Differentiation Media is designed to be used with Human Adipose Derived Mesenchymal Stem Cells or Human Bone Marrow Mesenchymal Stem Cells, both of which are available separately. When used as directed, this media will support differentiation of these stem cells into cartilage producing cells. Chondrogenic differentiation must be done in pellet culture and takes approximately 28 days

Osteogenic Differentiation Media
OST.D.Media-450 **450mL, $155.00**

Osteogenic Differentiation Media is designed to be used with Human Adipose Derived Mesenchymal Stem Cells and Human Bone Marrow Mesenchymal Stem Cells, all of which are available separately. When used as directed, this media will support differentiation of these stem cells into osteogenic or bone producing cells.

Neural Differentiation Media
NEU.D.Media-450 **450mL, $198.00**

Neural Differentiation Media is designed to be used with Human Adipose Derived Mesenchymal Stem Cells, Human Bone Marrow Mesenchymal Stem Cells, and Human Multipotent Cord Blood Unrestricted Somatic Stem Cells, all of which are available separately. When used as directed, this media will support differentiation of these stem cells into neuron like cells.

HepG2 Human Hepatocellular Carcinoma Expansion Media
HEPG2.E.Media-450 **450mL, $50.00**

HepG2 Human Hepatocellular Carcinoma Expansion Media is designed to be used with HepG2 Human Hepatocellular carcinoma cells, which are available separately. When used as directed, this media will support growth and expansion of these cells.

Human Foreskin Fibroblast Expansion Media
HFFC.E.Media-450 **450mL, $50.00**

Human Foreskin Fibroblast Expansion Media is designed to be used with Human Foreskin Fibroblast cells, which are available separately. When used as directed, this media will support growth and expansion of these cells.

Purchasing

Interested in our products and services? Visit our website at www.celleng-tech.com to begin your order. For services, please go to the correct service webpage and fill out the correct contact form.

For our iPS cell products and services, please review our iPS Cell Products and Services catalog.

Contact Us

Feel free to contact CET with any questions, and our staff would be glad to assist you in any way possible. CET offers free technical support for all of our products and services during normal business hours. Please note our new contact information below.

Address:
2500 Crosspark Rd.
Suite E110
Coralville, IA 52241

Email: orders@celleng-tech.com
Website: www.celleng-tech.com
Phone: (319) 665-3000
Fax: (319) 665-3003