

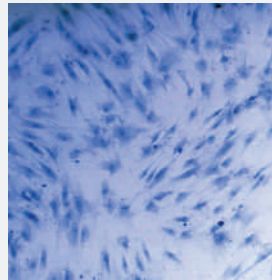
EuroMed *Family*

Innovative media
for state-of-the-art stem cell research



EuroMed Mesenchymal stem cell (MSC) Serum Free Medium

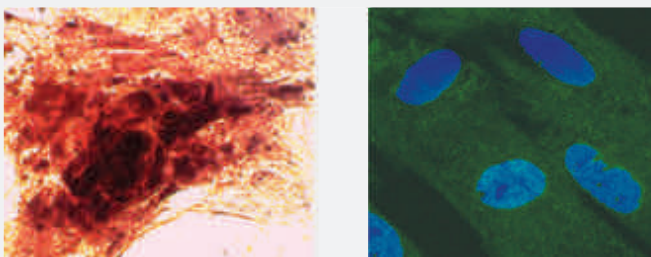
EuroMed MSC Serum Free Medium supports long-term growth of human MSC with retention of multi-lineage differentiation potential. EuroMed MSC Serum Free Medium is ready-to-use.



Reference: Marmotti A, Mattia S, Bruzzone M, Buttiglieri S, Riso A, Bonasia DE, Blonna D, Castoldi F, Rossi R, Zanini C, Ercole E, Defabiani E, Tarella C, Peretti GM. Minced umbilical cord fragments as a source of cells for orthopaedic tissue engineering: an in vitro study. Stem Cells Int. 2012;2012:326813

EuroMed Osteogenic Differentiation Kit

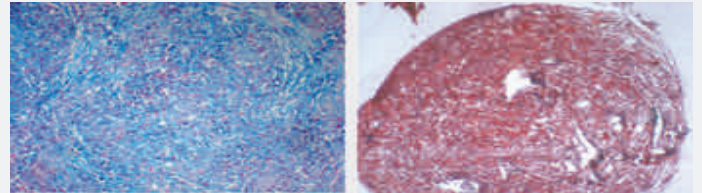
EuroMed Osteogenic Differentiation Kit has been developed to support differentiation of human MSC into osteocytes. EuroMed Osteogenic Differentiation Kit includes EuroMed MSC medium and a specific EuroMed O Supplement.



Osteogenic differentiation of MSC stained with Alizarin red
Immunofluorescence for osteocalcin.

EuroMed Chondrogenic Differentiation Kit

EuroMed Chondrogenic Differentiation Kit has been developed to support differentiation of human MSC into collagen matrix-producing chondrocytes. EuroMed Chondrogenic Differentiation Kit includes EuroMed MSC medium and EuroMed C Supplement.



Chondrogenic differentiation Cells growing in pellet culture system in chondrogenic medium. Histological section after chondrogenic commitment MSCs stained with Alcian Blue; and with Safranin O

EuroMed Adipogenic Differentiation Kit

EuroMed Adipogenic Differentiation Kit has been developed for adipogenic differentiation of MSC. EuroMed Adipogenic Differentiation Kit includes EuroMed MSC medium and EuroMed A Supplement.

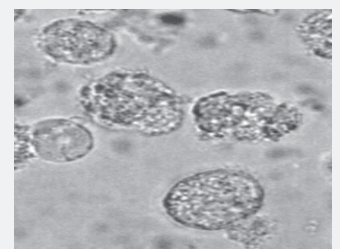


EuroMed Genesis Beta Cells Serum Free Kit

EuroMed Genesis Beta Cells Serum Free Kit allows mesenchymal stem cells from pancreatic islets to grow, differentiate and develop into islets-like cells. Medium has been also tested on bone marrow mesenchymal stem cells.

Stem cells are a new frontier to cure the Diabetes mellitus type I, they will avoid the rejection problems. Stem cells can be cultivated in an ex-vivo system and can differentiate into insulin producing cells. It is possible to cultivate patient stem cells and differentiate them using specific media.

Reference: Zanini C, Bruno S, Mandili G, Baci B, Cerutti F, Cenacchi G, Izzi L, Camussi G, Forni M. Differentiation of Mesenchymal Stem Cells Derived from Pancreatic Islets and Bone Marrow into Islet-Like Cell Phenotype. PLoS ONE December 2011 | Volume 6 | Issue 12 | e28175. doi: 10.1371/journal.pone.0028175

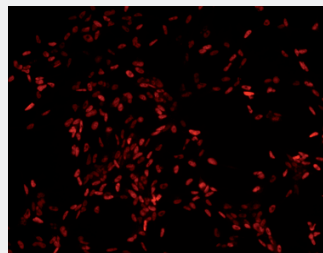
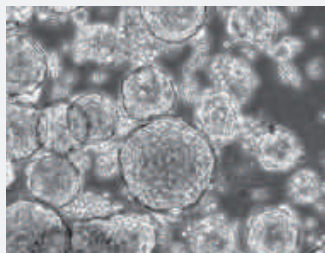


EuroMed CSC Spheres

EuroMed-CSC Spheres, has been formulated to induce the spheroids formation from primary tumor cells or from stabilized cell lines of various types of tumors.

The medium should be used in combination with disposables plastic “ultra low attachment”, which is essential to allow the formation of “clusters” starting from the cells in suspension.

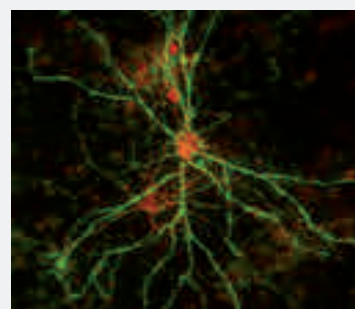
Reference: Zanini C, Ercole E, Mandili G, Salaroli R, Poli A, Renna C, Papa V, Cenacchi G, Forni M. Medullospheres from DAOY, UW228 and ONS-76 cells: increased stem cell population and proteomic modifications. PLoS One. 2013 May 24;8(5):e63748. doi: 10.1371/journal.pone.0063748



EuroMed-N: A Specific Basal Medium For The Long Term Culturing of Murine, Rat, Monkey and Human Neuronal precursor Cells.

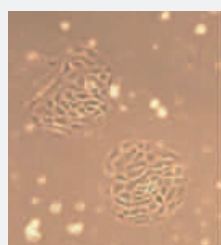
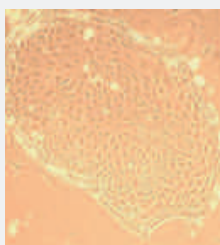
EuroMed-N composition has been customized to fit the unique growth requirements of embryonic and adult mouse neural precursor cells isolated from the mammalian central nervous system (CNS).

EuroMed-N is a basal medium and, just like DMEM/F-12, does not contain any growth or trophic factors, hormones and L-glutamine. Its specific formulation meets the basic requirements for the culturing of embryonic and adult neural stem cells and in combination with other supplements (such as N2, NeuroMix, G5 and NSS) this medium allows consistent growth and/or differentiation of neural cells.



EuroMed-mES: Optimized medium for murine ES cells

EuroMed mES when supplemented with EuroMed mLIF guarantees optimal ES cell expansion for a variety of applications such as the generation of chimeric animals or tissues differentiation pathways studies. Maintenance of ES cells in vitro is achieved by co-culture on irradiated mouse fibroblast or on gelatinized dishes with adding of LIF (Leukemia Inhibitory Factor), a differentiation inhibitory factor.



EuroMed-mLIF: Recombinant Leukemia Inhibitory Factor

EuroMed-mLIF is a pleiotropic cytokine of the interleukin-6 family; although named for its ability to inhibit proliferation of a myeloid leukemic cell line by inducing differentiation, it also regulates the growth and differentiation of embryonic stem cells, primordial germ cells, peripheral neurons, osteoblasts, adipocytes, and endothelial cells. EuroMed-mLIF has been checked to maintain undifferentiated ES cells at 1000 Units/ml. R1 and E14 ES cell lines gave identical results.

ORDER INFORMATION

CODE	DESCRIPTION	VOLUME
ECM0800A	EuroMed-mLIF: supplement for culture of murine ES cells (107 U/ml)	1 ml
ECM0894D	EuroMed CSC Spheres	100 ml
ECM0881L	EuroMed-mES Optimized medium for murine ES cells	500 ml
ECM0883L	EuroMed-N Optimized medium for culture of neuronal precursor cells	500 ml
ECM0889L	EuroMed MSC Serum Free	500 ml
ECM0890K	EuroMed Chondrogenic Differentiation Kit	100 ml + 5 ml
ECM0891K	EuroMed Adipogenic Differentiation Kit	500 ml + 50 ml
ECM0892K	EuroMed Osteogenic Differentiation Kit	500 ml + 50 ml
ECM0893K	EuroMed Genesis Beta Cells Serum Free Kit	100 ml + 1ml

Required Product:

CODE	DESCRIPTION	VOLUME
ECB3000D	L-glutamine 100X	100 ml
ECB3054D	Non-Essential Amino Acids 100X	100 ml
DVCL5015	Lympholyte-H	100 ml

Ed2/1113/PR 868 Brochure EuroMed Family

EuroClone S.p.A.

Via Figino, 20/22 - 20016 Pero (MI) Italy

☎ +39 02 38195.1 - 📠 +39 02 38101465

✉ info@euroclone.it - www.euroclone.it

EuroClone S.p.A. reserves the right to change product specifications without prior notice