

Human Bone Marrow-Derived MSCs

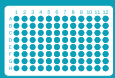
Robust, versatile stem cells with multiple differentiation pathways and the ability to promote tissue regeneration and enhance physiological cell activities

- Unperturbed cells from isolation to cryopreservation
- Maximum viability, consistency, and plating potential
- Frozen at exponential growth stage (pass 3) for maximum for expansion post-thaw
- Fully multipotent in their ability to differentiate

CAT: CR1005



Key Research Applications



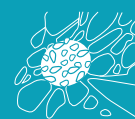
High
Throughput
Screening



Disease
Modeling

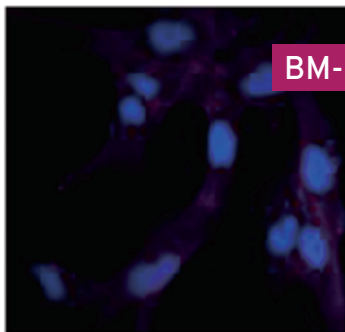


Toxicology
Testing

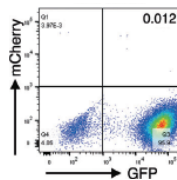


Tissue
Engineering

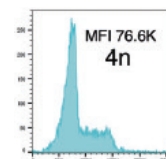
CET's Bone Marrow-Derived MSCs used to observe cell fusion mechanics in human urothelial carcinoma cell (UMUC-3) to study immunosurveillance



BM-MSC



Flow cytometry of
BM-MSC-GFP
spontaneously fused
to UMUC-3-mCherry

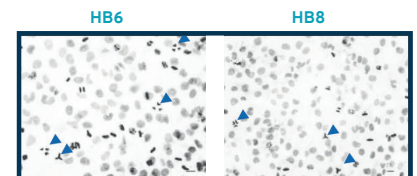
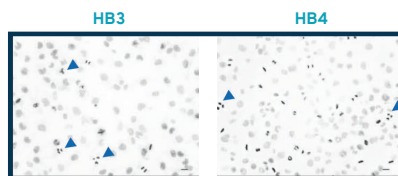
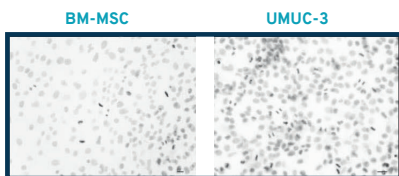


Flow cytometry
of DNA content
of fusion

Array-CGH profiles of the whole genome DNA



Metaphase chromosome spreads



Tajima Y. et al. | Cancer Gene Therapy 2023 NOV Tokyo Metropolitan Institute of Medical Science.

Related Offerings



Human Multipotent
Somatic Stem Cell
Expansion Media
CAT MR1006



Chondrogenic
Differentiation
Media
CAT MR1008



Growth
Factors



SCAN THE QR CODE
FOR INFORMATION
ON CET'S iPSCS



Complex proteins and research cell lines engineered from the ground up...

just for YOU.

RESEARCH SOLUTIONS

Category	Product Type	Catalog No.	Product Name
Mesenchymal Stem Cells	Cells	CR1004-500	Human Adipose-Derived Mesenchymal Stem Cells (MSCs)
	Cells	CR1005-500	Human Bone Marrow-Derived Mesenchymal Stem Cells (MSCs)
	Cells	CR1006-500	Human Amniotic Membrane Derived Mesenchymal Stem Cells (MSCs)
	Media	MR1016	Human MSC Expansion Media
Disease Model Solutions	Cells	CR1015-500	Human HepG2 Hepatocellular Carcinoma Cells
	Media	MR1010	Human HepG2 Hepatocellular Carcinoma Expansion Media
	Cells	CR1016-500	Human Panc-1 Cells
	Media	MR1012	Human Panc-1 Expansion Media
Other Research Solutions	Cells	CR1017-500	Human HACAT Keratinocyte Cells
	Media	MR1013	Human HaCaT Keratinocyte Growth Media
	Cells	CR1007-500	Chinese Hamster Ovary (CHO) K1 Cells
	Media	MR1015	CHO Cell Culture Growth Media
	Media	MR1014	Cryopreservation Media
Research Starter Kits	Kit	BR1010	Human Amniotic Membrane-Derived MSC Starter Kit
	Kit	BR1011	Human BMSC Differentiation Kit
	Kit	BR1012	Human AdMSC Differentiation Kit
	Kit	BR1006	Human Adipogenic Differentiation Kit
	Kit	BR1007	Human Osteogenic Differentiation Kit
	Kit	BR1002	Human Panc-1 Research Starter Kit
	Kit	BR1003	Human HepG2 Research Starter Kit
	Kit	BR1005	CHO Cell Research Starter Kit