

Biosafety Documentation: ***iCell® Mesenchymal Stem Cells***

Catalog Number(s): C1043, MSC-301-010-001-PT
Donor ID Number: 01279

Cell Source and Biosafety Level Classification

iCell® Mesenchymal Stem Cells are human cells differentiated from a master bank of stably induced pluripotent stem (iPS) cells. Cellular Dynamics International, Inc. (CDI) classifies these cells as Biosafety Level 1 (BSL1) based on the United States Centers for Disease Control and Prevention publication: *Biosafety in Microbiological and Biomedical Laboratories*. We recommend handling iCell Mesenchymal Cells according to the biosafety guidelines applicable in your region.

Reprogramming

The iPS cell lines were generated from human peripheral blood through ectopic expression of reprogramming factors (i.e. Oct4, Sox2, Nanog, Lin28, Klf4, L-Myc, SV40LT) by episomal transfection. Following reprogramming, no episomal plasmids were detected by PCR in the iPS cell line.

Engineering

No engineering was performed on the reprogrammed iPS cell line.

Infectious Disease Testing

The iPS cell line is negative for HBV, HCV, HIV-1, HIV-2, HTLV-1, and HTLV-2.

Reference(s)

CDI Technical Support: support@cellulardynamics.com; US and Canada toll-free +1 (877) 320-6688 or +1 (608) 310-5100.