

PBMC Reprogramming to iPSC Protocol

Peripheral blood mononuclear cells (PBMCs) were expanded in StemPro™-34 medium prior to reprogramming with the integration-free CytoTune™-iPS 2.0 Sendai virus vector expressing OCT4, SOX2, KLF4, and c-MYC. Following transduction, cells were cultured under feeder-free conditions on vitronectin-coated plates in mTeSR™ Plus medium. Individual iPSC colonies were manually picked and expanded to establish stable iPSC lines. Clearance of the Sendai viral vectors was confirmed after serial passaging.