

Protocol for preparation of ASC/TERT1 medium

Version: January 2023

Evercyte Ord. No.:	CHT-001-0005
Designation:	ASC/TERT1, human mesenchymal stromal cells
Growth medium:	EGM TM -2 Endothelial Cell Growth Medium-2 (Lonza, Cat# CC-3162) supplemented with FBS and G418: <u>Final components:</u> EBM TM -2 basal medium (Lonza, Cat# CC-3156) Components of EGM TM -2 SingleQuots TM (Lonza, Cat# CC-4176: Hydrocortisone, hFGF, VEGF, R3-IGF-1, Ascorbic acid, hEGF, Heparin) 2 % FBS (PAN Biotech, Cat# P30-3031) 200 µg/ml G418 (InvivoGen, Cat# ant-gn5, 100 mg/ml, ready-to-use) - take one bottle of EBM-2 basal medium (500 ml) - add 10 ml of FBS (ready-to-use) - add 200 µl of Hydrocortisone (EGM TM -2 SingleQuots TM) - add 2 ml of hFGF (EGM TM -2 SingleQuots TM) - add 500 µl VEGF (EGM TM -2 SingleQuots TM) - add 500 µl of R3-IGF-1 (EGM TM -2 SingleQuots TM) - add 500 µl of hEGF (EGM TM -2 SingleQuots TM) - add 500 µl of Heparin (EGM TM -2 SingleQuots TM) - add 500 µl of Ascorbic Acid (EGM TM -2 SingleQuots TM) - add 1 ml of G418 stock solution - mix properly - store at 4°C for a maximum of 4 weeks - temper the medium to room temperature (not 37°C) before use
Related products:	WJ-MSC/TERT273, human mesenchymal stromal cells (Evercyte, Cat# CHT-021-0273)