

Protocol for preparation of HDMVEC/TERT164-B medium

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Evercyte Ord. No.: CHT-013-0164-B

Designation: HDMVEC/TERT164-B, human dermal microvascular endothelial cells

Growth medium: EGM-2 MV Microvascular Endothelial Cell Growth Medium-2 BulletKit (Lonza, Cat# CC-3202, w/o GA-1000 / FBS) supplemented with G418 and FBS:

Final components:

EBM-2 Basal medium (Lonza, Cat# CC-3156)

EGM-2 MV SingleQuots Supplement Pack (Lonza, Cat# CC-4147, w/o GA-1000, FBS)

10 % fetal bovine serum (FBS, PAN Biotech, Cat# P30-3031, ready-to-use)

20 µg/ml G418 (InvivoGen, Cat# ant-gn5, 100 mg/ml stock solution, ready-to-use)

- take one bottle of EBM-2 Basal medium (500 ml)
- add 50 ml FBS
- add 200 µL Hydrocortisone
- add 2 ml hFGF-B
- add 500 µL VEGF
- add 500 µL R3-IGF-1
- add 500 µL Ascorbic Acid
- add 500 µL hEGF
- add 100 µl 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: HUVEC/TERT2, umbilical vein endothelial cells (Evercyte, Cat# CHT-006-0008)