

Title

Preparation of hBMEC medium

Protocol

Composition:

EBM-2	400 mL
Anti-Anti (100x)	3 mL
Single-Quots	various volumes
FBS	100 mL (= 20%)

Preparation:

- Remove 100 mL of a freshly opened EBM-2 bottle (transfer into 2 x 50 mL tubes and keep at 4°C).
- Thaw the Single-Quots® in waterbath at 37°C and transfer them to laminar bench as soon as possible (do not thaw for too long!). Transfer the contents of the Single-Quots and FBS into the EBM-2 bottle. Wash the tubes with 1 mL of medium.
- Add 3 mL Anti-Anti to the medium.
- Add 100 mL of FBS to the medium.
- Label the bottle of the cell culture medium, store at 4°C.

Validity: 6 weeks

Specification of products:

Product	Details/ Product Nr/ Batch	Storage conditions
EBM®-2	Endothelial Cell Basal Medium-2 (500 mL), Lonza, CC-3156 Note: EBM®-2 and EGM-2 Single-Quots® are available together as a kit at Lonza under the product number: CC-3162	Store at 4°C

EGM-2 Single-Quots®	Lonza, CC-4176 Hydrocortisone (0.2 mL) hFGF-B (2 mL) VEGF (0.5 mL) R3-IGF-1 (0.5 mL) Ascorbic acid (0.5 mL) hEGF (0.5 mL) Heparin (0.5 mL)	Store at -20°C
Anti-Anti (100X)	Antibiotic-antimycotic solution (penicillin, streptomycin, amphotericin B), Gibco, Life Technologies, 15240-062	Store at -20°C
FBS	Fetal Bovine Serum Gold, PAA Laboratories, Austria, A15-151, Lot: A15109-1833	Store at -20°C