

Endothelial Cell Medium, Complete Set B

Cell Culture Medium

Catalog Number: CM001K2

Components:

Catalog Number	Product Name	Pack Size
CM001	Endothelial Cell Basal Medium	500 mL
CC134	Endothelial Cell Growth Essentials (25X)	20 mL

Description: The Endothelial Cell Basal Medium is a sterile liquid culture medium designed for the cultivation of various endothelial cell types. By supplementing it with Endothelial Cell Growth Essentials—containing ascorbic acid, basic fibroblast growth factor, epidermal growth factor, insulin-like growth factor, vascular endothelial growth factor, heparin, hydrocortisone, and fetal bovine serum—a complete medium optimized for endothelial cell growth can be prepared. The Endothelial Cell Growth Essentials also provides the standard concentration of penicillin and streptomycin to prevent bacterial growth. Additional supplements can be incorporated to customize the growth medium according to specific needs. The complete medium is optimized for initial seeding densities of 5,000 cells/cm² (10,000 cells/cm² for HUVEC) until reaching confluence. The use of feeder layers, matrix substrates, or additional substances is not required.

Formulation: Sterile filtered.

Osmolality: 290±15 mOsm

pH: 7.3±0.2

Pack Size: 1 set (see table above)

Storage/Stability: The basal medium can be stored at 2°C to 8°C for up to 1 year. The Endothelial Cell Growth Essentials should be stored at -20°C for long-term stability. Once prepared, the complete medium must be stored in the dark at 4°C and remains usable for up to 8 weeks.

Preparation of the complete medium:

1. Thaw the Endothelial Cell Growth Essentials at room temperature.
2. Open the basal medium in a cell culture hood.
3. Transfer the Endothelial Cell Growth Essentials with a pipette to the medium.
4. Close the bottle and mix the medium by gentle swirling.

Note: It is highly recommended to prepare only the required amount for use.

FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES

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