

CELL CULTURE MEDIUM

ENDOTHELIAL CELLS

Endo-mac 2.2 Macrovascular

PRODUCTS	SIZE	CATALOGUE NUMBER
Endo-mac 2.2 Basal medium	500 mL	2004-500
Endo-mac 2.2 Supplement pack	9 supplements	2004-009S
Endo-mac 2.2 Kit	500mL + 9 S	2004-500K
Endo-mac 2.2 Kit ready-to-use	500 ml	2004-500R
Endo-mac 2.2 Kit ready-to-use	100 ml	2004-100R

Abcell-bio offers Endo-mac 2.2 medium developed for the *in vitro* culture of human endothelial cells and contains 2.2% of FBS and all components necessary for ideal growth.

Endo-mac 2.2 is suitable for culture of:

- Human Umbilical Vein Endothelial Cells (HUVEC)
- Human Pulmonary Artery Endothelial Cells (HPAEC)
- Human Saphenous Vein Endothelial Cells (HSVEC)
- Human Umbilical Artery Endothelial Cells (HUAEC)

While not extensively tested, Endo-mac 2.2 has demonstrated use with endothelial cells of bovine, pig, rat, and rabbit origin (please test suitability for your specific cell type/line).

KIT COMPOSITION

Endo-mac 2.2 kit includes supplements and FBS in separate sterile packaging to enable the preparation of a medium for special applications. For example, FBS, FGF-2, VEGF or other components may be omitted from the complete medium for specific experimental settings. Note that such a formulation will not promote ideal cell growth and should not be used for routine long-term culture of endothelial cells. Sterility must not be compromised when adding individual components to prepare the complete medium. The medium should be thoroughly but carefully mixed after adding all components to ensure a homogeneous solution.

Endo-mac 2.2 kit contains the following components in single packaging:

Ascorbic acid 2-phosphate, EGF (human recombinant Epidermal Growth Factor), FBS (Foetal Bovine Serum), FGF-2 (Fibroblast growth factor basic), GA (Gentamicin/Amphotericin), Heparin, Hydrocortisone, R3-IGF-1 (Human recombinant Insulin-like Growth Factor), VEGF (Vascular Endothelial Growth Factor).

Do not freeze basal medium (w/o supplements) or complete/ready-to-use medium.

RECOMMENDED UTILISATION

- ① Designed for use in a cell culture incubator at 37 °C with 5% CO₂, repeated warming of the complete medium should be avoided.
- ② Prepare only the amount required in a sterile container. For a T-25 cell culture flask, use 5 ml of Endo-mac 2.2. For smaller or larger culture area, adjust the volume accordingly.
- ③ After thawing cells, change the medium after 24 hours to remove unattached cells.
- ④ For propagation, change the medium every 2 or 3 days.
- ⑤ For cultures close to confluence or a maximum proliferative response, use more medium or change more frequently.

STORAGE CONDITIONS

Storage: Complete or basal medium at 2 to 8 °C in the dark.
Supplements at -20 °C.

Stability: Basal medium 24 months (from date of manufacture).
Complete medium 3 months (from date of supplementation).
Supplements 1 to 2 years (from date of manufacture).

Filling: 500 ml (other volumes available upon request).

QUALITY CONTROL

Each batch of Endo-mac 2.2 undergoes extensive in-house testing for proliferation-promoting capacity on primary HUVEC to guarantee optimum performance and reliability. Each batch of medium is further tested for absence of microbial contamination (bacteria, yeast, fungi and mycoplasma).

WARNING

Endo-mac 2.2 is a low serum medium (2.2% FBS content), and is not designed for stopping trypsin reaction. Use trypsin inhibitor or FBS to neutralise trypsin. To avoid damage to cells, endothelial cells should be exposed only for a minimum period to trypsin.

PRODUCT WARRANTY AND TECHNICAL SERVICE

Abcell-bio warrants full functionality of the medium for supporting the growth of human endothelial cells. If you observe a problem with the product, please contact us. Please save the corresponding batch of medium to return on request.

Abcell-bio offers a custom media service for producing media according to your requirements where we prepare your special formulations. Please inquire for details.

ABCELL-BIO GUARANTEES CELL QUALITY ONLY IF RECOMMENDED PROTOCOL IS RESPECTED

Additional information is available on our website at www.abcell-bio.com.
For further help, comments and questions, please contact us.



Genopole, Campus 1, 5 rue Henri-Auguste Desbruères • 91000 Evry, France
T: +33 (0)1 78 05 47 20 • E: contact@abcell-bio.com • www.abcell-bio.com