ECGM Endothelial Cell Culture Medium

Cat. No.: P1001

Introduction

This endothelial cell culture medium is a low-serum complete medium suitable for vascular endothelial cells and immortalized endothelial cell lines. It has been tested and optimized with 10 types of human endothelial cells from different tissues. It is tested for sterility, mycoplasma, and endotoxin. It contains heparin, endothelial growth factor, insulin, antioxidants, cortisol, and other components. To support normal cell metabolism, growth-stimulating factors are kept to a minimum.

Components

Component	specifications	storage
Endothelial cell basal medium（P1000）	500 mL	4℃
Endothelial cell growth factor (ECGS)（P1002）	5 mL	−20℃
Fetal bovine serum（FBS）（SD0200）	25 mL	−20℃
G/A (Gentamicin–Amphotericin B Mixture Solution (100×)（SD0038）	5 mL	−20℃

Notes

·P1001-NG: Glucose-free endothelial cell culture medium.

·P1001-NL: Glucose-free endothelial cell culture medium.

· P1001-M:Glucose-free mouse endothelial culture medium.

·P1001-R: Glucose-freerat endothelial culture medium.

100 mL bottle, kit-free; prepare using the whole bottle.

Storage and Shipping

The basal medium is stored and shipped at 4°C.
Additives are shipped on dry ice and should preferably be stored at -20°C or below.

Disclaimer:
This product is for research use only.
When used ECGM medium to isolating Endothelial cells, additional 5% increase in serum.
Thaw growth factors (ECGS, catlog: P1002) at 4°C as soon as possible.

Technical Specifications

Parameter	Specification
pH	7.00–7.60
Osmolality	320.00–360.00 mOsm/kg
Endotoxin	<0.05 EU/ml

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Aliquoting Method

Reagent	specifications	Qty	Split into 2 portions	Split into 5 portions	Storage
Endothelial cell basal medium（P1000）	500 mL	1bottle	repackaging 250mL ,2 once	100 mL as 5 times	4°C
Endothelial cell growth factor (ECGS)（P1002）	5 mL	1 vial	2 single-use aliquots	average 5 aliquots	-20 ° C
Fetal bovine serum（FBS）（SD0200）	25 mL	1 vial	2 single-use aliquots	average 5 aliquots	-20 ° C
G/A (Gentamicin–Amphotericin B Mixture Solution (100×)（SD0038）	5 mL	1 vial	2 single-use aliquots	average 5 aliquots	-20 ° C

Medium Advantages

1. A preferred co-culture medium for blood–brain barrier (BBB) experiments. Suitable for the culture, expansion, and passaging of most vascular endothelial cells.

2. Clearly classified into human, rat, and mouse endothelial culture series.

3. Large-tank filtration and filling. Manual weighing followed by automatic weighing helps components mix evenly and combine fully. Shelf life is one year, decrease avoid amino acid degradation and
hormone denaturation during long storage.

4. Add small molecules are used to suppress the growth of unwanted cells, while endothelial growth-promoting factors support endothelial cell growth.

5. Growth performance has been validated with more than 60 types of endothelial cells; it can replace imported brands.

6. Low serum content helps reduce serum interference in cells.

7. Shipped as a kit, making preparation simple and use convenient.

References / Publications

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