



11 Park Drive, Suite 12  
Boston, MA 02215

# Endothelial Basal Medium

## ORDERING INFORMATION

**Product Name**            **Endothelial basal medium (ENDO-Basal Medium)**  
**Catalog No:**            **cAP-03**  
**Size:**                      **500ml**  
**Storage:**                 **4°C**

### Description

The ENDO-Basal medium is a chemically defined medium (details of the Formulation for the medium is enclosed in this data sheet) that was designed to culture endothelial cells under low serum condition with the support of other growth factors.

**Shipping Condition:** Ambient temperature (blue ice, seasonally).

### Storage Condition:

The ENDO-Basal medium is stored at 4°C. A change in color or appearance of precipitate may indicate deterioration.

### Shelf Life:

The ENDO-Basal medium: 6 months from the date of receipt under proper storage condition.

### Use of ENDO-Growth Medium for culturing human endothelial cells:

1) Thaw ENDO-Growth supplement and add 25 ml (the whole package size) of ENDO-Growth supplement into 475ml of ENDO-Basal medium (total volume 500ml, with 5% fetal bovine serum and recombinant growth factors). Antibiotics are already provided in ENDO-Growth supplement, which makes the final concentration of antibiotics as 1 x penicillin and streptomycin.

2) Take the amount of ENDO-Growth medium needed and warm to 37°C in a water bath or incubator. Avoid frequent temperature change to the entire bottle of medium. The ENDO-growth medium is stable for at least 3 month stored at 4°C. We recommend changing medium every 2 days for regular cell culture.

Components shown as mg/L	
Inorganic Salts:	
Ammonium Metavanadate	0.0006
Ammonium Molybdate•4H <sub>2</sub> O	0.0037
Calcium Chloride•2H <sub>2</sub> O	235
Cupric Sulfate•5H <sub>2</sub> O	0.0012
Ferrous Sulfate•7H <sub>2</sub> O	0.283
Magnesium Sulfate•7H <sub>2</sub> O	2464
Manganese Sulfate•H <sub>2</sub> O	0.0002
Nickel Chloride•6H <sub>2</sub> O	0.000071
Potassium Chloride	298
Sodium Chloride	6430
Sodium Meta Silicate•9H <sub>2</sub> O	2.8

Contact & Ordering Information: Angio-Proteomie, 11 Park Drive, Suite 12, Boston, MA 02215, USA. Tel: 001-6175492665; Fax: 001-4802474337, [angioproteomie@gmail.com](mailto:angioproteomie@gmail.com)



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Sodium Phosphate Dibasic•7H2O	134
Zinc Sulfate•H2O	0.0003
Amino Acids:	
L-Alanine	2.7
L-Arginine Hydrochloride	63.2
L-Asparagine•H2O	15
L-Aspartic Acid	13.3
L-Cysteine•2HCl•H2O	35
L-Glutamic Acid	4.4
Glycine	2.3
L-Histidine Hydrochloride•H2O	42
L-Isoleucine	66
L-Leucine	131
L-Lysine Hydrochloride	182
L-Methionine	15
L-Phenylalanine	33
L-Proline	11.5
L-Serine	32
L-Threonine	12
L-Tryptophan	4.1
L-Tyrosine	18.1
L-Valine	117
Vitamins:	
Biotin	0.0073
Choline Chloride	14
Vitamin B12	0.0136
Folic Acid Calcium	0.6
i-Inositol	7.2
Niacinamide	6.1
D-Calcium Pantothenate	12
Pyridoxine Hydrochloride	2.1
Riboflavin	0.0038
Thiamine Hydrochloride	3.4
Other Components:	
Adenine	0.135
Thymidine	0.024
D-Glucose	1000
Lipoic Acid	0.0021
Phenol Red	12.4
Putrescine•2HCl	0.0002
Selenious Acid	0.0038
Sodium Pyruvate	110
<b>Total:</b>	<b>11.53g/L</b>

**THIS PRODUCT IS FOR RESEARCH USE ONLY  
NOT FOR DIAGNOSTIC OR THERAPEUTIC APPLICATIONS**

**Caution: Handling human derived products is potentially biohazardous. Although each cell strain testes negative for HIV, HBV and HCV DNA, diagnostic tests are not necessarily 100% accurate, therefore, proper precautions must be taken to avoid inadvertent exposure. Always wear gloves and safety glasses when working these materials. Never mouth pipette. We recommend following the universal procedures for handling products of human origin as the minimum precaution against contamination.**

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