ANGIO-PROTEOMIE

DATA SHEET

Endothelial Basal Medium

ORDERING INFORMATION

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

Description
The Endothelial basal medium (EBM, cAP-03) 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 Endothelial basal medium (EBM) is stored at 4°C. A change in color or appearance of precipitate may indicate deterioration.

Shelf Life: 3 months from the date of receipt under proper storage condition.

Use of EBM to Prepare Full Endothelial Growth Medium (EGM, cAP-02) for Culturing Endothelial Cells:

1) Thaw Endothelial Growth supplement (EGS, **cAP-04**) and add 50 ml (the whole package size) of ENDO-Growth supplement into 450ml of ENDO-Basal medium (total volume 500ml, with 10% 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.

Related Products

Quick Coating Solution	**cAP-01**	240ml	Angio-Proteomie
Cell Freezing Solution (FBS)	**cAP-22**	50ml	Angio-Proteomie
Cell Freezing Solution (Non-FBS)	**cAP-22B**	50ml	Angio-Proteomie
HBSS w/o Ca^{2+} , Mg^{2+}	**cAP-11**	100ml	Angio-Proteomie
Trypsin/EDTA Solution	**cAP-23**	100ml	Angio-Proteomie
Trypsin Neutralization Solution	**cAP-28**	100ml	Angio-Proteomie
ITS (100x)	**cAP-26**	10ml	Angio-Proteomie
L-Glutamine-MAXIMUM (100x)	**cAP-27**	100ml	Angio-Proteomie
Human Plasma Fibronectin Solution	**cAP-42**	1mg/ml	Angio-Proteomie
Bovine Type I Collagen Solution	**cAP-17**	100mg	Angio-Proteomie

Formulation of EBM (next Page):

11 Park Drive, Boston, MA 02215, USA | Tel: 617-549-2665 | Fax: 480- 247-4337 | E-mail: angioproteomie@gmail.com

Components shown as mg/L	
Inorganic Salts:	
Ammonium Metavanadate	0.0006
Ammonium Molybdate•4H2O	0.0037
Calcium Chloride•2H2O	235
Cupric Sulfate•5H2O	0.0012
Ferrous Sulfate•7H2O	0.283
Magnesium Sulfate•7H2O	2464
Manganese Sulfate•H20	0.0002
Nickel Chloride•6H2O	0.000071
Potassium Chloride	298
Sodium Chloride	6430
Sodium Meta Silicate•9H2O	2.8
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
Folinic 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
Total:	11.53g/L

THESE PRODUCTS ARE FOR RESEARCH USE ONLY

Caution: Handling human and animal tissue derived products is potentially bio-hazardous. Although each cell strain is tested negative for HIV, HBV and HCV DNA, or pathogens, 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 with 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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