

Universal Growth Medium
ORDERING INFORMATION

Product Name	Universal Growth Medium (UGM)
Catalog No:	cAP-1B
Size:	500ml
Storage:	4°C

Description

The Universal Growth Medium (UGM, cAP-1B) is a chemically defined medium (details of the Formulation for the medium is enclosed in this data sheet) which supplemented with 10% high quality FBS, which is sufficient for many type of human and animal cells (ready to be used).

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

Storage Condition: The UGM should be 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.

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 UBM (next Page):

Components shown as mg/L

Inorganic Salts:	
Ammonium Metavanadate	0.0006
Ammonium Molybdate·4H ₂ O	0.0037
Calcium Chloride·2H ₂ O	235
Cupric Sulfate·5H ₂ O	0.0012
Ferrous Sulfate·7H ₂ O	0.283
Magnesium Sulfate·7H ₂ O	2464
Manganese Sulfate·H ₂ O	0.0002
Nickel Chloride·6H ₂ O	0.000071
Potassium Chloride	298
Sodium Chloride	6430
Sodium Meta Silicate·9H ₂ O	2.8
Sodium Phosphate Dibasic·7H ₂ O	134
Zinc Sulfate·H ₂ O	0.0003
Amino Acids:	
L-Alanine	2.7
L-Arginine Hydrochloride	63.2
L-Asparagine·H ₂ O	15
L-Aspartic Acid	13.3
L-Cysteine·2HCl·H ₂ O	35
L-Glutamic Acid	4.4
Glycine	2.3
L-Histidine Hydrochloride·H ₂ O	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
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.