

Pre-adipocytes & Adipocyte Basal Medium

Cell Culture Medium

产品编号: CM009

产品简介: 本产品含有 L-glutamine, 不含酚红。

产品类型: 无菌过滤即用型液体培养基

包装规格: 500 mL

储存条件: 4-8°C

渗透压: 300±20 mOsm

酸碱度: 7.3±0.2

DIFFERENTIATION OF PREADIPOCYTES INTO ADIPOCYTES PROCEDURES

Medium Preparation:

Proliferation Medium

Pre-adipocytes & Adipocyte Basal Medium (cat #: CM009)	100 ml
Fetal Bovine Serum (cat #: CS001)	10 ml
Penicillin-Streptomycin-Amphotericin B (cat #: CC033)	1 ml

Differentiation Medium

Pre-adipocytes & Adipocyte Basal Medium (cat #: CM009)	100 ml
Fetal Bovine Serum, Charcoal Stripped (cat #: CS011)	5 ml
Adipocyte Differentiation Medium Supplement (cat #: CC118)	2 ml
Penicillin-Streptomycin-Amphotericin B (cat #: CC033)	1 ml

Maintenance Medium

Pre-adipocytes & Adipocyte Basal Medium (cat #: CM009)	100 ml
Fetal Bovine Serum, Charcoal Stripped (cat #: CS011)	5 ml
Adipocyte Maintenance Medium Supplement (cat #: CC119)	2 ml
Penicillin-Streptomycin-Amphotericin B (cat #: CC033)	1 ml

1. Preadipocytes (3T3-L1) are plated sub-confluent in *Proliferation Medium*.
2. Incubate cells until they are 100% confluent (in about 4-5 days). Cell culture medium will need to be changed every other day.
3. Once the cells are confluent, incubate an additional 48 hours before initiating differentiation.
4. Two days after the cells have been confluent, remove the *Proliferation Medium* and replace with an appropriate volume *Differentiation Medium*. Incubate for 3 days.
5. Remove the *Differentiation Medium* and replace with *Maintenance Medium*. Incubate for 2-3 days.
6. Feed cells every 2-3 days using *Maintenance Medium* until ready for assay.

FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES



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Pre-adipocytes & Adipocyte Basal Medium

Catalog No.	CM009
Inorganic Salts	mg/L
CaCl ₂ (anhydrous)	116.65
CuSO ₄ (anhydrous)	0.0008
Fe(NO ₃) ₃ •9H ₂ O	0.05
FeSO ₄ •7H ₂ O	0.417
KCl	311.8
MgSO ₄ (anhydrous)	84.95
NaCl	7000
NaH ₂ PO ₄ •H ₂ O	62.5
Na ₂ HPO ₄ (anhydrous)	71
NaHCO ₃	2438
ZnSO ₄ •7H ₂ O	0.4315
Amino Acids	
L-Alanine	4.45
L-Arginine•HCl	147.5
L-Asparagine•H ₂ O	7.5
L-Aspartic acid	6.65
L-Cysteine•HCl•H ₂ O	17.56
L-Cystine•2HCl	31.285
L-Glutamic acid	7.35
L-Glutamine	365.1
Glycine	18.75
L-Histidine•HCl•H ₂ O	31.48
L-Isoleucine	54.37
L-Leucine	58.95
L-Lysine•HCl	91.35
L-Methionine	17.24
L-Phenylalanine	35.48
L-Proline	17.25
L-Serine	26.25
L-Threonine	53.55
L-Tryptophan	9.02
L-Tyrosine•2Na•2H ₂ O	55.815
L-Valine	52.85
Vitamins	
Biotin	0.00365
D-Calcium pantothenate	2.24
Choline chloride	8.98
Folic acid	2.65
i-Inositol	12.61
Nicotinamide	2.0185
Pyridoxine•HCl	2.031
Riboflavin	0.219
Thiamine•HCl	2.17
Vitamin B12	0.68
Other	
D-Glucose	3151
HEPES	
Hypoxanthine, Na	2.385
Lipoic acid	0.105
Methyl lineoleate	0.044
Phenol red, Na	
Putrescine•2HCl	0.08
Sodium pyruvate	110
Thymidine	0.365

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