



## MEDIA COMPOSITIONS- ADULT STEM CELLS

### Preadipocyte Medium cat # PM-1

DMEM / Ham's F-12 (1:1, v/v)  
HEPES pH 7.4  
Fetal bovine serum  
Penicillin  
Streptomycin  
Amphotericin B

Suitable as adult stem cell  
plating/proliferation  
medium

### Adipocyte Differentiation Medium cat # DM-2

DMEM / Ham's F-12 (1:1, v/v)  
HEPES pH 7.4  
Fetal bovine serum  
Biotin  
Pantothenate  
Human insulin  
Dexamethasone  
Isobutylmethylxanthine  
PPAR $\gamma$  agonist  
Penicillin  
Streptomycin  
Amphotericin B

### Adipocyte Maintenance Medium cat # AM-1

DMEM / Ham's F-12 (1:1, v/v)  
HEPES pH 7.4  
Fetal bovine serum  
Biotin  
Pantothenate  
Human insulin  
Dexamethasone  
Penicillin  
Streptomycin  
Amphotericin B

### Adipocyte Basal Medium Cat# BM-1

DMEM / Ham's F-12 (1:1, v/v)  
HEPES pH 7.4  
Biotin  
Pantothenate

### Osteoblast Differentiation Medium Cat# OB-1

DMEM / Ham's F-12 (1:1, v/v)  
Fetal Bovine serum  
 $\beta$ -glycerophosphate  
Ascorbate-2-phosphate  
Dexamethasone  
1,25 (OH) $_2$  Vitamin D $_3$   
Penicillin  
Streptomycin

### Chondrocyte Differentiation Medium Cat# CM-1

DMEM-high glucose  
Fetal bovine serum  
Transforming growth factor  $\beta_1$ (TGF- $\beta_1$ )  
Ascorbate-2-phosphate  
Dexamethasone  
Insulin-transferrin-selenium plus  
(ITS+)  
Penicillin  
Streptomycin

All media except Chondrocyte Medium contains 3.15g/L D-glucose.  
Chondrocyte Differentiation Medium contains 4.5g/L D-glucose

All media are also available as serum-free and/or phenol red free. Please  
inquire for custom media requests.

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