

Materials List for:

Isolation and Differentiation of Adipose-Derived Stem Cells from Porcine Subcutaneous Adipose Tissues

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Materials

Name	Company	Catalog Number	Comments
Reagents			
Collagenase, Type II	Sigma-Aldrich	C6885	
DMEM, high glucose, pyruvate	Life Technologies	11995-040	
DMEM/F-12, HEPES	Life Technologies	11330-032	
Fetal Bovine Serum (FBS)	Biological Industries	04-001-1	
Penicillin-Streptomycin-Amphotericin B (P/S/A) solution	Biological Industries	03-033-1	For antibiotics and antimycotic usage
αMEM, no nucleosides	Life Technologies	12561-049	
ACK lysis buffer	Life Technologies	A10492-01	
Trypsin-EDTA (0.25%), phenol red	Life Technologies	25200072	
CD4a-PE	Sigma-Aldrich	SAB4700063	
CD29-PE	Sigma-Aldrich	SAB4700398	
CD31-PE	Sigma-Aldrich	SAB4700467	
CD44-PE	Sigma-Aldrich	SAB4700183	
CD45-PE	Sigma-Aldrich	SAB4700483	
CD90-PE	Sigma-Aldrich	SAB4700686	
HLA Class I-PE (MHC I)	Sigma-Aldrich	SAB4700640	
HLA-DR-PE (MHC II)	Sigma-Aldrich	SAB4700662	
Insulin	Sigma-Aldrich	I9278	
3,3',5-Triiodo-L-thyronine (T3)	Sigma-Aldrich	T6397	
Transferrin	Sigma-Aldrich	T2036	
3-isobutyl-1-methylxanthine (IBMX)	Sigma-Aldrich	I7018	
Dexamethasone	Sigma-Aldrich	D4902	
Rosiglitazone	Cayman	71740	
β-Glycerophosphate	Sigma-Aldrich	G9422	
2-Phospho-L-ascorbic acid	Sigma-Aldrich	49752	
TGFB1 Recombinant Human Protein	R&D Systems	240-B-002	
Oil Red O	Sigma-Aldrich	O0625	
Alizarin Red S	Sigma-Aldrich	A5533	
Toluidine Blue O	Sigma-Aldrich	198161	
Name	Company	Catalog Number	Comments
Equipment			

Carbon Steel Blades	Thomas Scientific	6727C18	
Falcon 100 μ m cell strainer	Corning	352360	
Falcon 6-well plate	Corning	353046	
Falcon 100 mm dish	Corning	353003	