

Materials List for:

In Vitro Culture of Epithelial Cells from Different Anatomical Regions of the Human Amniotic Membrane

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Materials

Name	Company	Catalog Number	Comments
Culture reagents			
2-Mercaptoethanol	Thermo Fisher Scientific/Gibco	21985023	55 mM
Animal-Free Recombinant Human EGF	Peptotech	AF-100-15	
Antibiotic-Antimycotic	Thermo Fisher Scientific/Gibco	15240062	100X
Dulbecco's Modified Eagle Medium	Thermo Fisher Scientific/Gibco	12430054	Supplemented with high glucose and HEPES
EDTA	Thermo Fisher Scientific/Ambion	AM9260G	0.5 M
Embryonic stem-cell FBS, qualified	Thermo Fisher Scientific/Gibco	10439024	
Non-Essential Amino Acids	Thermo Fisher Scientific/Gibco	11140050	100X
Paraformaldehyde	any brand		
Phosphate-Buffered Saline	Thermo Fisher Scientific/Gibco	10010023	1X
Saline solution (sodium chloride 0.9%)	any brand		
Sodium Pyruvate	Thermo Fisher Scientific/Gibco	11360070	100 mM
Trypsin/EDTA 0.05%	Thermo Fisher Scientific/Gibco	25300054	
Disposable material			
100 µm Cell Strainer	Corning/Falcon	352360	
100 mm TC-Treated Culture Dish	Corning	430167	
24-well Clear TC-treated Multiple Well Plates	Corning/Costar	3526	
6-well Clear TC-treated Multiple Well Plates	Corning/Costar	3516	
Non-Pyrogenic Sterile Centrifuge Tube	any brand		with conical bottom
Non-Pyrogenic sterile tips of 1,000 µl, 200 µl and 10 µl.			
Sterile cotton gauzes			
Sterile serological pipettes of 5, 10 and 25 mL	any brand		
Sterile surgical gloves	any brand		
Equipment			
Biological safety cabinet			

Centrifuge			
Micropipettes			
Motorized Pipet Filler/Dispenser			
Sterile beakers of 500 mL			
Sterile plastic cutting board			
Sterile scalpels, scissors, forceps, clamps			
Sterile stainless steel container			
Sterile tray			
Tube Rotator	MaCSmix		
Antibodies and Kits			Antibody ID
Anti-E-cadherin	BD Biosciences	610181	RRID:AB_3975
Anti-Ki67	Santa Cruz	23900	RRID:AB_627859)
Anti-NANOG	Peprtech	500-P236	RRID:AB_1268274
Anti-OCT4	Abcam	ab19857	RRID:AB_44517
Anti-SOX2	Millipore	AB5603	RRID:AB_2286686
Anti-SSEA-4	Cell Signaling	4755	RRID:AB_1264259
Anti-TRA-1-60	Cell Signaling	4746	RRID:AB_2119059
Goat Anti-Mouse Alexa Fluor 488	Thermo Fisher Scientific	A-11029	RRID:AB_2534088
Goat Anti-Rabbit Alexa Fluor 568	Thermo Fisher Scientific	A-11036	RRID:AB_10563566
Tunel Assay Kit	Abcam	66110	