

Materials List for:

Development of an *In Vitro* Assay to Evaluate Contractile Function of Mesenchymal Cells that Underwent Epithelial-Mesenchymal Transition

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Materials

Name	Company	Catalog Number	Comments
DMEM	sigma aldrich	11965-092	For A549 medium
FBS	GIBCO	10437	
Transforming Growth Factor-β1, Human, recombinant	Wako Laboratory chemicals	209-16544	
Recombinant Human TNF-α	R&D systems	210-TA/CF	
E-Cadherin (24E10) Rabbit mAb	Cell Signaling Technology	#3195	1:3,000 dilution
Vimentin (D21H3) Rabbit mAb	Cell Signaling Technology	#5741	1:3,000 dilution
Anti-α-Tubulin antibody	sigma aldrich	T9026	1:10,000 dilution
Monoclonal Anti-Actin, α-Smooth Muscle antibody	sigma aldrich	A5228	1:10,000 dilution
Anti-N-cadherin antibody	BD Transduction Laboratories	#610920	1:1,000 dilution
Anti-Mouse IgG, HRP-Linked Whole Ab Sheep (secondary antibody)	GE Healthcare	NA931-100UL	1:20,000 dilution
Anti-Rabbit IgG, HRP-Linked Whole Ab Donkey (secondary antibody)	GE Healthcare	NA934-100UL	1:20,000 dilution
Blocking reagent	GE Healthcare	RPN418	2% in TBS-T
6 Well Clear Flat Bottom TC-Treated Multiwell Cell Culture Plate, with Lid	corning	#353046	
100 mm Cell culture dish	TPP	#93100	
DMEM, powder	life technologies	12100-046	For 4× DMEM
Type 1 collagen gel	Nitta gelatin	Cellmatrix type I-A	
24 Well cell culture plate	AGC TECHNO GLASS	1820-024	
Gel Documentation System	ATTO	AE-6911FXN	Gel imager
Gel analyzing software	ATTO	Densitograph, ver. 3.00	analysing software bundled with AE-6911FXN
Trypsin-EDTA (0.05%), phenol red	life technologies	25300054	
24 Well Plates, Non-Treated	IWAKI	1820-024	
Trypan Blue Solution, 0.4%	life technologies	15250-061	
RNA extraction kit	Qiagen	74106	
Reverse transcriptase	life technologies	18080044	
Real time PCR system	Stratagene	Mx-3000P	
SYBR green PCR kit	Qiagen	204145	
Protease Inhibitor Cocktail (100x)	life technologies	78429	

PVDF membrane	ATTO	2392390	
Protein assay kit	bio-rad	5000006JA	
Polyacrylamide gel	ATTO	2331810	
Western blotting detection reagent	GE Healthcare	RPN2232	
Cold CCD camera	ATTO	Ez-Capture MG/ST	
Trypsin inhibitor	sigma aldrich	T9003-100MG	
Polyoxyethylene (20)Sorbitan Monolaurate	Wako Laboratory chemicals	163-11512	
Polyoxyethylene (9) octyphenyl ether	Wako Laboratory chemicals	141-08321	