

Materials List for

# Studying TGF- $\beta$ Signaling and TGF- $\beta$ -induced Epithelial-to-mesenchymal Transition in Breast Cancer and Normal Cells

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jove.com/video/61830

## Materials

Name	Company	Catalog Number	Comments
<b>Reagent</b>			
18 mm-side square glass coverslips	Menzel Gläser	631-1331	
4',6-diamidino-2-phenylindole (DAPI)	Vector Laboratories	H-1200	
Alexa Fluor 488 Phalloidin	Thermo Fisher Scientific	A12379	
Alexa Fluor 555 secondary antibody	Thermo Fisher Scientific	A-21422	
Anti-E-cadherin antibody	BD Biosciences	610181	
anti-glyceraldehyde 3-phosphate dehydrogenase(GAPDH) antibody	Merck Millipore	MAB374	
Anti-N-cadherin antibody	BD Biosciences	610920	
Anti-Slug antibody	Cell Signaling Technology	9585	
anti-SMAD2/3 antibody	Becton Dickinson	610842	
Anti-Snail antibody	Cell Signaling Technology	3879	
Anti-Tubulin antibody	Cell Signaling Technology	2148	
Bovine Serum Albumin	Sigma-Aldrich	A2058	
Cholera enterotoxin	Sigma-Aldrich	C8052	
Clarity Western ECL Substrate	Bio-Rad	1705060	
DC protein assay kit	Bio-Rad	5000111	
DMEM-high glucose	Thermo Fisher Scientific	11965092	
DMEM-high glucose medium	Thermo Fisher Scientific	11965092	
Dulbecco's modified Eagle's medium (DMEM)/F12	Thermo Fisher Scientific	11039047	
epidermal growth factor (EGF)	Merck Millipore	01-107	
Fetal bovine serum (FBS)	BioWest	S1860-500	
GoTaq qPCR Master Mix	PROMEGA	A600X	
Horse serum	Thermo Fisher Scientific	26050088	
Hydrocortisone	Sigma-Aldrich	H0135	

Insulin	Sigma-Aldrich	91077C	
Mini Protease Inhibitor Cocktail	Roche	11836153001	
NucleoSpin RNA II kit	BIOKE'	740955	
Penicillin-streptomycin (Pen-Strep)	Thermo Fisher Scientific	15140148	
Polyethylenimine (PEI)	Polyscience	23966	
Polyvinylidene difluoride (PVDF) membrane	Merck Millipore	IPVH00010	
Ponceau S solution	Sigma-Aldrich	P7170	
RevertAid First Strand cDNA Synthesis Kit	Thermo Fisher Scientific	K1621	
Rosiglitazone	Sigma-Aldrich	557366-M	
Skimmed milk	Campina: Elk		
<b>Equipment</b>			
ChemiDoc Imaging System	Bio-Rad	17001402	
CFX Connect Detection System	Bio-Rad	1855201	
Luminometer	Perkin Elmer	2030-0050	
NanoDrop 2000/2000c Spectrophotometers	Thermo Fisher Scientific	ND-2000	