

Materials List for:

A Novel Stromal Fibroblast-Modulated 3D Tumor Spheroid Model for Studying Tumor-Stroma Interaction and Drug Discovery

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Materials

Name	Company	Catalog Number	Comments
0.25% Trypsin-EDTA	Corning	25-253-CI	
24-well plate	Corning	351147	Non-tissue culture treated plate, 24-well, flat bottom with low evaporation lid
Alex Fluor 488 goat anti-mouse IgG	Life Technology	A21202	
CaCl ₂ 1.5 M	Sigma-Aldrich	C5670-500G	
Collagenase, Type 1A	Sigma-Aldrich	C-2674	500 mg, 1 mg/mL concentration in DMEM.
DakoCytomation	Dako	x0909	
DAPI			
Dispace Grade II	Roche Diagnostics	165859	
Dulbecco's Modified Eagle's Medium(DMEM)	Corning	10-013-CV	
Fetal Bovine Serum	VMR	97068-085	Premium Grade
Fiji (ImageJ)	NIH		Free for downloading, no license needed.
IncuCyte Zoom 2016A	Essen Bioscience		
IncuCyte Zoom System	Essen Bioscience		
Insulin	Sigma-Aldrich	I1882	
L-15 Medium (Leibovitz)	Sigma-Aldrich	L1518	
Leica SP5 Inverted Confocal Microscope	Leica		
MCDB 153 Medium	Sigma-Aldrich	M7403-10X1L	
Mouse anti α -SMA (smooth muscle actin), monoclonal	Abcam	ab18640	
Olympus IX51 Inverted Fluorescence Microscope	Olympus	IX51	
Olympus CellSens	Olympus		
PD0325901	Selleckchem Chemicals	S1036	
Penicillin Streptomycin Solution	Corning	30-002- CI	100 X
Sodium Bicarbonate 7.5%	Corning	25-035-CI	