

Materials List for

# Time-Resolved Fluorescence Imaging and Analysis of Cancer Cell Invasion in the 3D Spheroid Model

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jove.com/video/61902

## Materials

Name	Company	Catalog Number	Comments
1 N NaOH	Honeywell Fluka	60-014-44	
10X Dulbecco's phosphate-buffered saline (PBS)	Gibco	SH30028.LS	
16% paraformaldehyde (PFA)	Alfa Aesar	43368-9M	
1X Dulbecco's phosphate-buffered saline (PBS)	Gibco	20012027	
4',6-diamidino-2-phenylindole (DAPI)	Invitrogen	D1306	
48-well plate	Falcon	T1048	
Alexa Fluor 647 phalloidin	Life Technologies	A20006	
Anti cortactin antibody	Abcam	ab33333	1 to 200 dilution
Anti E-cadherin antibody	Invitrogen	13-1900	1 to 100 dilution
Bovine atelocollagen I solution (Nutragen)	Advanced Biomatrix	501050ML	
Bovine serum albumin (BSA)	Sigma Aldrich	A4503-50G	
CellTracker Red CMTPX Dye	Invitrogen	C34552	
Conical tubes	Falcon	352095	
Coverslips	FisherBrand	12-548-5E	
Disposable container	Staples		Plastic cups
Disposable transfer pipette	Thermo Scientific	202	
DMEM	Fisher Scientific	11965118	
Double-faced tape	Scotch		
Ethanol	Sigma Aldrich	E7023-500ML	
Fetal bovine serum (FBS)	Bio-Techne	S11550	
Fluoromount-G	eBioscience	00-4958-02	
Glutaraldehyde	Sigma Aldrich	G5882-100mL	
Hoescht nuclear stain	Thermo Fischer	62249	
Isopropanol	Thermo Fischer	S25371A	
MatTek dish (glass bottom dish)	MatTek Corporation	P35G-1.5-14-C	

Methyl cellulose	Sigma Aldrich	M6385-100G	
MilliQ water			
Penicilin/streptomycin solution	Thermo Fischer	15140122	
Petri dish	Corning	353003	
Pipet tips	Fisherbrand	02-707	
Pipets	Gilson	F167300	
Poly-L-Lysine	Sigma	P8920	
Primary antibodies, user specific			
Rat Tail Collagen I	Corning	47747-218	
Razor Blade	Personna	74-0001	
Secondary antibodies, user specific			
Slides	Globe Scientific	1354W-72	
Sylgard 184 Silicone	Dow Corning	4019862	
Tape	Scotch		
Triton X100	Sigma Aldrich	10789704001	
Tween 20	Sigma Aldrich	655204-100ML	