

Materials List for:

Moving Upwards: A Simple and Flexible *In Vitro* Three-dimensional Invasion Assay Protocol

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URL: <https://www.jove.com/video/56568>

DOI: [doi:10.3791/56568](https://doi.org/10.3791/56568)

Materials

Name	Company	Catalog Number	Comments
MatTek P35G-1.5-10C	MatTek Corporation, Ashland, MA	P35G-1.5-10-C	mattek glass bottom dishes
Rat tail collagen I	Corning, Corning, NY, USA	354236	Collagen gel
Hydrochloric acid	Sigma-Aldrich, St. Louis, MO 63178 USA	H1758	HCl
Phosphate buffered saline	Thermo Fisher Scientific Inc., Waltham, MA, USA	10010023	PBS
10X Dulbecco's Modified Eagle's Medium	Sigma-Aldrich, St. Louis, MO 63178 USA	D2429	10X DMEM
Sodium bicarbonate	Sigma-Aldrich, St. Louis, MO 63178 USA	S5761	NaHCO ₃
Confocal Fluorescent microscope	Olympus America, Center Valley, PA, USA	Olympus IX81	Confocal microscope
Defined Fetal Bovine Serum	GE Healthcare Life Sciences HyClone Laboratories, Utah, USA	SH30070.03	FBS
Ti:Sapphire multi-photon laser scanning microscope	Prarie Technologies, Sioux Falls, SD, USA	40x NA 0.8 objective	MPLSM
Imaris software	Bitplane Inc. Zurich, CH	Imaris 7.5.2	Imaris software
DAPI	Sigma-Aldrich, St. Louis, MO 63178, USA	D9542	DAPI
Paraformaldehyde	Thermo Fisher Scientific Inc., Waltham, MA, USA	50980487	PFA
α-minimum essential medium	Sigma-Aldrich, St. Louis, MO 63178, USA	M0894	
MDA-MB-231	ATCC; Manassas, VA, USA	HBT-22	
MSC	Trivedi and Hematti, 2007		
20X lens UPLAPO	Olympus America, Center Valley, PA, USA	36-064	Olympus UPLSAPO 20X Objective