

Materials List for:

***In vitro* Mesothelial Clearance Assay that Models the Early Steps of Ovarian Cancer Metastasis**

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Materials

Name	Company	Catalog Number	Comments
OVCA433 Ovarian Cancer Cells			Gift from Dr. Dennis Slamon
ZT Mesothelial Cells			Gift from Dr. Tan Ince
Medium 199	GIBCO, by Life Technologies	19950	
MCDB105	Cell Applications Inc.	117-500	
FBS-heat inactivated	GIBCO, by Life Technologies	10082	
Pen-Strep	GIBCO, by Life Technologies	15070	
96 well plates	Corning	3799	
Polyhydroxyethylmethacrylate (poly-HEMA)	Sigma-Aldrich	192066-25G	For poly-HEMA solution dissolve 6mg poly-HEMA powder in 1ml of 95% EtOH
EtOH	Pharmco-AAPER	111ACS200	Dilute to 95% in dH ₂ O
Cell culture hood	Nuaire	NU-425-300	
Tissue culture incubator	Thermo Fisher Scientific, Inc.	3110	
incubator for poly-HEMA plates	Labline Instruments	Imperial III 305	
Tabletop centrifuge	Heraeus Instruments	75003429/01	
6 well glass-bottom dish	MatTek Corp.	P06G-1.5-20-F	
Fibronectin	Sigma-Aldrich	F1141-1MG	
PBS	Cellgro	21-040-CV	
Microscope	Nikon Instruments		Ti-E Inverted Motorized Fluorescence time-lapse microscope with integrated Perfect Focus System
Lens	Nikon Instruments		20X-0.75 numerical aperture
Halogen transilluminator	Nikon Instruments		0.52 NA long working distance condenser
Excitation and emission filters	Chroma Technology Corp.		GFP Ex 480/40, Em 525/50 RFP-mCherry Ex 575/50 Em 640/50
Transmitted and Epifluoresce light path	Sutter Instrument Co.		Smart Shutters
Linear-encoded motorized stage	Nikon Instruments		
Cooled charged-coupled device camera	Hamamatsu Corp.	ORCA-AG	
Microscope incubation chamber with temperature and CO ₂ control	Custom Made		
Vibration isolation table	TMC		
NIS-Elements software	Nikon Instruments		Version 3