

Materials List for:

Modeling Ovarian Cancer Multicellular Spheroid Behavior in a Dynamic 3D Peritoneal Microdevice

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URL: <https://www.jove.com/video/55337>

DOI: [doi:10.3791/55337](https://doi.org/10.3791/55337)

Materials

Name	Company	Catalog Number	Comments
Silicon wafer	University wafer	#1196	100 mm
SU-8 2075 photoresist	Microchem		
SU-8 developer	Microchem	108-65-6	
Trichloro (1H, 1H, 2H, 2H-perfluorooctyl) silane	Sigma	448931	
Sylgard 184	Dow Corning	1673921	Polydimethylsiloxane (PDMS) + curing agent kit
Biopsy punch	Miltex	33-31AA	1 mm diameter
Plasma cleaner	Harrick Plasma	PDC-002	
Polyethylene tubing	SCI	BB31695-PE/5	0.86 mm (inner diameter)
Syringe	Terumo		
Syringe pump	Longer precision pump	LSP01-2A	
Medium 199	Invitrogen	31100-035	Add 2.2 g/L sodium bicarbonate
MCDB 105 Medium	Sigma	M6395	
Fetal bovine serum (FBS)	Hyclone	SH30068.02	
Penicillin/streptomycin	Invitrogen	15070-063	
Trypsin EDTA solution	Gibco	25300-054	0.05% Trypsin - 0.01% EDTA, phenol red
Fibronectin human	BD	354008	
Agarose	Invitrogen	15510-027	
5-chloromethylfluorescein diacetate	Life technologies	C7025	Green CMFDA
CO ₂ incubator	SANYO	MCO-18AIC	
Centrifuge	Hitachi	CT15RE	
Fluorescent microscope	Nikon		Model: 80i or ECLIPSE Ti; software: SPOT
SKOV-3			Gift from Dr. N Auersperg (University of British Columbia)