

Materials List for:

A Pipette-Tip Based Method for Seeding Cells to Droplet Microfluidic Platforms

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URL: <https://www.jove.com/video/57848>

DOI: [doi:10.3791/57848](https://doi.org/10.3791/57848)

Materials

Name	Company	Catalog Number	Comments
1H,1H,2H,2H-Perfluoro-1-octanol	Sigma-Aldrich	171468-5G	
1H,1H,2H,2H-Perfluorooctyltriethoxysilane	Fluorochem/UK	S13150	Silane (toxic)
Agarose (Ultra-low Gelling Temperature)	Sigma-Aldrich	9012-36-6	
BD Wegwerpsspuiten met Luer-Lok-punten	Fisher Scientific	10630694	Syringe
Biopsy Punch 1.2 mm	Harris Uni-Core		
Cell Proliferation Dye eFluro 670	eBioscience	65-0840-85	
CellTrace CFSE	Invitrogen	C34554	
CellTrace Far Red Cell	Invitrogen	C34564	
Eppendorf Tubes	Eppendorf Tubes		Safe-Lok tubes 1 mL and 2 mL
Glass Slide	Sigma Aldrich	CLS294775X38-72EA	Corning microscope slides, plain L × W 75 mm × 38 mm
Harvard Pumps	Harvard Apparatus	C-400750; C-400727	Syringe pumps
HFE-7500 3M Novec Engineered fluid	Fluorochem/UK	51243	Fluorinated oil
Kai Biopsy Punch 5 mm	Amstel Medical	1980130	
Luer stub	Instechlabs/USA	LS20S	Luer stub, 20ga (pink) x 0.5in (12mm), non-sterile
Mineral oil (Light)	Sigma Aldrich	M8410-1L	
Phosphate buffered saline	Sigma-Aldrich	P4417-50TAB	Tablets
Pico-Surf 1 (5%in Novec 7500)	Sphere Fluidics	020317-09	Surfactant
Plasma Asher	Emitech	K1050X	Plasma asher
RPMI 1640 Medium	Gibco	11875093	
Silicone Elastomer Base 184	Sylgard	9355218	PDMS base
Silicone Elastomer Curing Agent	Sylgard	9355218	Curing Agent
Stainless steel catheter coupler	Instechlab/USA	SC20/15	20ga x 15mm, non-sterile
TFE Teflon Tubing	Sigma-Aldrich	58696-U	PTFE Tubing L × O.D. × I.D. 50 ft × 1/16 in. × 0.031 in.
Thinky mixer ARE-250		EX-4025F	Conditioning mixture