

Live-cell Imaging of Single-Cell Arrays (LISCA) - a Versatile Technique to Quantify Cellular Kinetics

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jove.com/video/62025

Materials

Name	Company	Catalog Number	Comments
Adtech Polymer Engineering PTFE Microtubing	Fisher Scientific	10178071	
baking oven	Binder	9010-0190	
CFI Plan Fluor DL 10x	Nikon	MRH20100	
Desiccator	Roth	NX07.1	
Eclipse Ti-E	Nikon		
eGFP mRNA	Trilink	L-7601	
Female Luer to Tube Connector	MEDNET	FTL210-6005	
Fetal bovine serum	Thermo Fisher	10270106	
Fibronectin	Yo Proteins	663	
Filter set eGFP	AHF	F46-002	
Fisherbrand Translucent Platinum-Cured Silicone Tubing	Fisher Scientific	11768088	
HEPES (1 M)	Thermo Fisher	15630080	
Incubation Box	Okolab	OKO-H201	
incubator	Binder	9040-0012	
L-15 without phenol red	Thermo Fisher	21083027	
Lipofectamine 2000	Thermo Fisher	11668027	
Male Luer			in-house fabricated consisting of teflon
Male Luer to Tube Connector	MEDNET	MTLS210-6005	alternative to in-house fabricated male luers
NaCl (5 M)	Thermo Fisher	AM9760G	
Needleless Valve to Male Luer Connector	MEDNET	NVFMLLPC	
NIS Elements	Nikon		Imaging software Version 5.02.00
NOA81	Thorlabs	NOA81	Fast Curing Optical Adhesive for tube system assembly
Opti-MEM	Thermo Fisher	31985062	

PCO edge 4.2 M-USB-HQ-PCO	pco		
Phosphate buffered saline (PBS)			in-house prepared
Plasma Cleaner	Diener Femto	Pico-BRS	
PLL(20 kDa)-g[3.5]-PEG(2 kDa)	SuSoS AG		
silicon wafer mit microrstructures			in-house fabricated
Sola Light Engine	Lumencor		
sticky slide VI 0.4	ibidi	80608	
Sylgard 184 Silicone Elastomer Kit	Dow Corning	1673921	
Tango 2	Märzhäuser	00-24-626-0000	
Ultrapure water			in-house prepared
uncoated coverslips	ibidi	10813	
Injekt-F Solo, 1 mL	Omilab	9166017V	with replacement sporn