

Materials List for:

Imaging Intermediate Filaments and Microtubules with 2-dimensional Direct Stochastic Optical Reconstruction Microscopy

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URL: <https://www.jove.com/video/57087>

DOI: [doi:10.3791/57087](https://doi.org/10.3791/57087)

Materials

Name	Company	Catalog Number	Comments
Minimum Essential Media (MEM)	Gibco	41090-028	cell culture
non essential amino acid	Gibco	1140-050	cell culture 1/100e
Penicillin-Streptomycin	Gibco	15140-122	cell culture 1/100e
Foetal Bovine Serum	Gibco	10270-106	cell culture 1/10e
0,05 % Trypsin-EDTA (1X)	Gibco	25300-054	cell culture
PBS 10x	fischer scientific	11540486	cell culture
coverslip 18 mm n°1,5H	Marienfield/Dominic dutsher	900556	coverslips
paraformaldehyde (PFA) solution	Sigma	F8775	cell fixation
glutaraldehyde	Sigma	G5882	cell fixation
triton X100	Sigma	T9284	non ionic surfactant. Used for cell fixation
sodium borohydride (NaBH4)	Sigma	452904-25ML	cell fixation
BSA	Sigma	A7906	sample passivation 3% in PBS
Monoclonal Anti-Vimentin (V9) antibody produced in mouse	Sigma	V6630	primary antibodies
Rat anti alpha tubulin	Biorad	MCA77G	primary antibodies
Goat anti-Rat IgG (H+L) Secondary Antibody, Alexa Fluor 555	Fisher scientific	10635923	secondary antibodies
Donkey anti-Mouse IgG (H+L) Secondary Antibody, Alexa Fluor 647	Fisher scientific	10226162	secondary antibodies
TetraSpeck Microspheres, 0.1 µm, fluorescent blue/green/orange/dark red	Fisher scientific	T7279	fluorescent beads
Chamlide magnetic chamber	Live Cell Instrument	CM-B18-1	magnetic sample holder, maximum volume 1,2 mL
Cysteamine (MEA)	Sigma	30070	for the blinking buffer
glucose oxidase from Aspergillus niger	Sigma	G0543	for the blinking buffer
glucose	sigma		for the blinking buffer
catalase from bovine liver	Sigma	C9322	for the blinking buffer
Tris (trizma)	Sigma	T1503	for the blinking buffer
Wash-N-Dry coverslip rack	Sigma	Z688568	
Parafilm	Sigma	P7793-1EA	paraffin film
ultrasonic cleaner	Fisher scientific	15-335-6	
plasma cleaner	Harrick plasma	PDC-32G-2	