

Materials List for:

Application of High-speed Super-resolution SPEED Microscopy in Live Primary Cilium

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Materials

Name	Company	Catalog Number	Comments
25 cm ² tissue culture dish	Corning	VV-01936-00	
Penicillin/streptomycin	ThermoFisher	15140122	
Fetal bovine serum	ThermoFisher	10438018	
DMEM	ThermoFisher	10566-016	
OPTIMEM	ThermoFisher	31985062	
Trypsin	ThermoFisher	25300054	
Phosphate buffered saline	Sigma-Aldrich	P3813-1PAK	
Transit LT1	Mirus	MIR 2300	
35 mm glass bottom dish	MatTek	P35GCOL-0-14-C	
AlexaFluor 647-conjugated streptavidin	ThermoFisher	S21374	
Biotin	Sigma-Aldrich	B4501-100MG	
633 nm He-Ne laser	Melles Griot	25-LHP-928-249	
561 nm solid state laser	Coherent	OBIS 561-50 LS	
488 nm solid state laser	Coherent	1185053	
Inverted fluorescence microscope	Olympus	IX81	
1.4-NA 100× oil-immersion apochromatic objective	Olympus	UPLSAPO 100×	
On-chip multiplication gain charge-coupled-device camera	Roper Scientific	Cascade 128+	
Dichroic filter	Semrock	Di01- R405/488/561/635-25x36	
Emission filter	Semrock	NF01-405/488/561/635-25X5.0	
Slidebook 6.0	Intelligent Imaging Innovations		digital microscopy software