

Materials List for:

Measurement of Microtubule Dynamics by Spinning Disk Microscopy in Monopolar Mitotic Spindles

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Materials

Name	Company	Catalog Number	Comments
Dimethylenastron	Merck	324622	
DMEM w/o phenol red	Gibco	31053-28	
DPBS	Gibco	14190-094	
Fetal bovine serum	Biochrom	S0415	
Fibronectin Bovine Plasma	Merck	F4759	Sterile powder
GlutaMAX	Gibco	35050-038	Stable glutamine substitutive
jetPRIME	Polyplus	114-15	
EB3-TdTomato	Addgene	plasmid #50708	
RPMI 1640	Gibco	61870-010	
Trypan Blue	Merck	T8154-20ML	
Trypsin/EDTA solution	Biochrom	L2143	0.05%/0.02 % w/o calcium and magnesium
μ-slide	Ibidi	80426	4-well slide with #1.5 coverslip
Eclipse Ti Inverted microscope	Nikon	NA	
Objective	Nikon	MRD01991	CFI Apo TIRF 100xC Oil
ACAL Laser Exchanger	Nikon		Laser box. 405, 458, 488, 514, 561 and 647 nm
Spinning disk module	Andor	CSU-W	
Camera	Andor	iXon Ultra 888	
Environmental Chamber	Okolab		Dark chamber equipped with CO ₂ supply, temperature control and humidifier
HeLa Cells	DSMZ	ACC-57	
NIS Elements v4	Nikon		Spinning disk microscope. Acquisition Software
MATLAB	Mathworks		Computing environment
Prism 8	GraphPad		Statistical analysis and display software