

Materials List for:

Specific Labeling of Mitochondrial Nucleoids for Time-lapse Structured Illumination Microscopy

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Materials

Name	Company	Catalog Number	Comments
Elyra PS1	Carl Zeiss		multi-modal super-resolution microscope containing module for super-resolution structured illumination microscopy (SR-SIM)
High glucose DMEM	GIBCO/ThermoFisher	31966021	
ibidi 35 mm dish, glass bottom	Ibidi GmbH	81158	
ibidi 8-well microSlide, glass bottom	Ibidi GmbH	80827	
Imaris 8.4.1	Bitplane/Oxford Instruments		image processing and visualisation software package
iXon 885	Andor Technologies		EMCCD camera with back-illuminated sensor
LSM880 Airyscan	Carl Zeiss		laser scanning confocal microscope with array detector
Mitotracker CMXRos Red	ThermoFischer	M7512	red live cell mitochondrial stain
Mitotracker Deep Red FM	ThermoFischer	M22426	far red live cell mitochondrial stain
picoGreen	ThermoFischer	P7581	cell permeant DNA stain
Plan Aplanachromat 100x/1.46 Oil objective	Carl Zeiss		
SYBR Gold	ThermoFischer	S11494	cell permeant DNA stain
Zen Black 2012 software	Carl Zeiss		image acquisition and processing software