

Materials List for:

Conventional BODIPY Conjugates for Live-Cell Super-Resolution Microscopy and Single-Molecule Tracking

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Materials

Name	Company	Catalog Number	Comments
BODIPY C12	ThermoFisher	D3822	Green fatty acid analog
BODIPY C12 Red	ThermoFisher	D3835	Red fatty acid analog
BODIPY(493/503)	ThermoFisher	D3922	Neutral lipid marker
Concanavalin A	Sigma-Aldrich	C2010	Cell immobilization on glass surface
Drop-out Mix Complete w/o nitrogen base	US Biological	D9515	Amino acids for SCD
Dextrose	Sigma-Aldrich	G7021	Carbon source for SCD
Eight Well	Cellvis	C8-1.58-N	Chambered Coverglasses
Eight Well, Lb-Tek II	Sigma-Aldrich		Chambered Coverglasses
ET525/50	Chroma		Bandpass filter
ET595/50	Chroma		Bandpass filter
ET610/75	Chroma		Bandpass filter
Fetal Bovine Serum (FBS)	Gibco	26140079	Serum
FF652	Semrock		Beam splitter
FF731/137	Semrock		Bandpass filter
FluoroBrite DMEM	ThermoFisher	A1896701	Cell culture medium
Hal4000	Zhuang Lab, Harvard University		Data acquisition software
Ixon89Ultra DU-897U	Andor		EMCCD camera for photon detection
Laser 405, 488, 561, 640 nm	CW-OBIS		Lasers for excitation
Insight3	Zhuang Lab, Harvard University		Single molecule localization software
L-Glutamine	Gibco	25030-081	Amino acid required for cell culture
live-cell imaging solution	ThermoFisher	A14291DJ	Imaging buffer
Lysotracker Green	ThermoFisher	L7526	Bodipy based lysosome marker
Mammalian ATCC U2OS cells (Manassas, VA)	Dr. Jochen Mueller (University of Minnesota)		
Nikon-CFI Apo 100 1.49 N.A	Nikon		Oil immersion objective
Penicillin streptomycin	Gibco	15140-122	Antibiotics
Sodium Pyruvate	Gibco	11360-070	Supplement for cell culture
T562lpxr	Chroma		Beam splitter
Trypsin-EDTA	Gibco	15400-054	Dissociation of adherent cell
W303 MATa strain	Horizon-Dharmacon	YSC1058	Parental yeast strain

Yeast Nitrogen Base	Sigma-Aldrich	Y1250	Nitrogen base without amino-acids
zt405/488/561/640rdc	Chroma		Quadband dichroic mirror