

Materials List for

Autofluorescence Imaging to Evaluate Cellular Metabolism

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jove.com/video/63282

Materials

Name	Company	Catalog Number	Comments
2-deoxy-d-glucose (2-DG)	Sigma	AC111980000; AC111980010; AC111980050; AC111980250	
Antibiotic Antimicrobial (pen-strep)	Gibco	15240096	
Cell Samples	American Type Culture Collection	N/A	MCF-7 cancer line
CellProfiler	Broad Institute	N/A	Image analysis software
Conical Tube	VWR	89039-664	15 mL conical tube
DMEM	ThermoFisher	11965092	Culture media
FAD dichroic mirror	Semrock	FF495-Di03-25x36	495 nm
FAD emission filter	Semrock	FF01-550/88-25	550/88 nm
FAD excitation filter	Semrock	FF01-458/64-25	458/64 nm
FBS	ThermoFisher	16000036	
Fluorescence Lifetime Microscope	3i	N/A	
Glass bottom dish	MatTek Corp	P35G-1.0-14-C	
Multiphoton Laser	Coherent	N/A	2P Coherent Laser, Tunable 680 nm-1080 nm
NAD(P)H dichroic mirror	Semrock	FF409-Di03-25x36	409 nm
NAD(P)H emission filter	Semrock	FF02-447/60-25	447/60 nm
NAD(P)H excitation filter	Semrock	FF01-357/44-25	357/44 nm
PBS	ThermoFisher	70011044	
Potassium Cyanide	Sigma-Aldrich	380970	
SlideBooks 6	3i	N/A	Image acquisition software
SPCImage	Becker & Hickl GmbH	N/A	Fluorescence lifetime analysis software
Stage Top Incubator	okoLab	N/A	
Trypsin	Biosciences	786-262	
Urea	Sigma-Aldrich	U5128	
YG beads	Polysciences	19096-2	Yg microspheres (20.0 μm)