

Materials List for

Live-imaging of Mitochondrial System in Cultured Astrocytes

Jeanne Espourteille¹, Valentin Zufferey¹, Jean-Honoré Laurent¹, Kevin Richetin¹

¹Department of Psychiatry, Center for Psychiatric Neurosciences, Lausanne University Hospital (CHUV) and University of Lausanne

Corresponding Author

Kevin Richetin

kevin.Richetin@chuv.ch

Citation

Espourteille, J., Zufferey, V., Laurent, J.H., Richetin, K. Live-imaging of Mitochondrial System in Cultured Astrocytes. *J. Vis. Exp.* (177), e62957, doi:10.3791/62957 (2021).

Date Published

November 16, 2021

DOI

10.3791/62957

URL

jove.com/video/62957

Materials

Name	Company	Catalog Number	Comments
µ-Slide 8 Well	IBIDI	80807	
19 G needle	Plexus SANTE	PL001213	
21 G needle	Plexus SANTE	PL000142	
25 G needle	Plexus SANTE	PL000133	
Bovin Serum Albumin	LIFE TECH	15260037	
Camera	HAMAMATSU	ORCA-flash4.0 V3 - C13440-20CU	
DMEM, high glucose, GlutaMAX(TM)	THERMOFISHER	61965059	
Glutamax Supplement	THERMOFISHER	35050061	
Horse Serum	SIGMA	16050122	
Lens	Nikon Instruments	CFI Plan Fluor 100x Oil	
Light Engines	LUMENCOR	SPECTRA X	
Linear-encoded motorized platine	Nikon Instruments	N/A	
Microscope	Nikon Instruments	ECLIPSE T12-E MICROSCOPE INVERSE	
Microscope Stage Incubator with 3-channel manual gas mixer and gas bubbler/ humidity module	OKOLAB	H201-NIKON-TI-S-ER	
PBS 1x liquid	THERMOFISHER	20012068	
Penicillin-Streptomycin	SIGMA	15140122	
Petri dishes 100 mm	SIGMA	P5731	
Petri dishes 35 mm	SIGMA	CLS430165	
Pregnant Rats	CHARLES RIVERS	3	
Software Nikon NIS-HC	Nikon Instruments	NIS-Elements HC	
Software Prism	GraphPad	V8.02	
Stericup 500 mL	MERCK MILLIPORE	10412701	