

Materials List for:

Sequential Photo-bleaching to Delineate Single Schwann Cells at the Neuromuscular Junction

Monika S. Brill¹, Petar Marinković¹, Thomas Misgeld^{1,2,3,4}

¹Lehrstuhl für Biomolekulare Sensoren, Technische Universität München

²Center for Integrated Protein Science (Munich) at the Institute of Neuroscience, Technische Universität München

³TUM Institute for Advanced Study and German Center for Neurodegenerative Diseases, Technische Universität München

⁴Munich Cluster for Systems Neurology (SyNergy), Technische Universität München

Correspondence to: Monika S. Brill at monika.brill@lrz.tum.de

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Materials

Name	Company	Catalog Number	Comments
70% (vol/vol) ethanol solution	Roth	T913.1	in spray bottle
isoflurane	Forene, Abbott		any other approved anaesthetic can be used for lethal anaesthesia
transgenic mice (<i>P/p-GFP</i>)			to be obtained from cited sources
dissection microscope with cold-light illumination	Olympus SZ51		equipped with Schott KL 1500 LCD
forceps #2	Fine Science Tools	11233-20	
forceps #5	Fine Science Tools	11295-00	
scissors, large medical	Fine Science Tools	14108-09	
scissors, small angled spring	Fine Science Tools	15033-09	
in-line heater	Warner Instruments	SF-28	
heating ring for 3.5-cm dishes	Warner Instruments	64-0110 DH-35	
two channel temperature control system	Warner Instruments	TC-344B	
superfusion pump system			custom-built
15-cm tissue culture dish	Sarstedt	83.1803.003	filled with ice and covered by metal plate
10-cm tissue culture dish	Sarstedt	83.1802.003	with oxygenated Ringer's solution
3.5-cm tissue culture dish	Sarstedt	83.1800.003	filled with Sylgard polymer
Sylgard polymer	Dow Corning	Sylgard 184 Silicone Elastomer Kit	
confocal microscope	Olympus	FV1000	with argon laser
50-ml reaction tube	Sarstedt	62.547.254 PP	
4% PFA in PBS	Sigma	P6148	
cannula 0.5 mm x 25 mm	Neolab	E-1510	
syringe 1 ml	Neolab	E-1496	
synaptophysin antibody	Invitrogen	18-0130	rabbit
secondary antibody	Invitrogen	A-11012	Alexa 594
24-well plate	Sarstedt	83.1836	
0.01 M PBS	Sigma	P4417	
0.1 M glycine in PBS	Roth	3790.1	
coverslips	Neolab	E-4132	
slides	Neolab	E-4121	
Vectashield	Vector labs	H-1000	

minutien pins ×10	Fine Science Tools	26002-20	shortened to < 4 mm
α-Bungarotoxin coupled to Alexa 594	Invitrogen (Molecular Probes)	B-13423	
<i>Blocking Solution</i>			
0.01 M PBS			
0.2% Triton-X100	Roth	3051.3	
10% Normal Goat Serum	Abcam	ab7481	
1% bovine serum albumin	Sigma	A7030	
<i>Ringer</i> bubbled with 95% O ₂ /5% CO ₂			
125 mM NaCl	Sigma	S7653	
2.5 mM KCl	Sigma	P9333	
1.25 mM NaH ₂ PO ₄	Sigma	S8282	
26 mM NaHCO ₃	Sigma	S6297	
2 mM CaCl ₂	Sigma	21114	
1 mM MgCl ₂	Sigma	63020	
20 mM glucose	Sigma	G7528	
Table 1. Specific reagents and equipments.			