

Materials List for:

Spectral Reflectometric Microscopy on Myelinated Axons *In Situ*

Junhwan Kwon^{1,2}, Myunghwan Choi^{1,2}

¹Department of Biomedical Engineering, Sungkyunkwan University

²Center for Neuroscience Imaging Research, Institute for Basic Science (IBS)

Correspondence to: Myunghwan Choi at photomodulation@gmail.com

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Materials

Name	Company	Catalog Number	Comments
Glass cutter	-	-	Can be purchased in a local convenience store or online stores.
Nail polish	-	-	Can be purchased in a local convenience store or online stores.
Apochromat objective 40×, NA 1.1	Leica Microsystems	15506357	Water-immersion type
Fluoromyelin Green	Thermo Fisher	F34651	Alternatively, Fluoromyelin Red (F34652) can be used.
Leica SP8 TCS microscope	Leica Microsystems	SP8	Refer to the "Configuration of microscope" in Introduction Section for details.
Imaging software	Leica Microsystems	LAS-X	-
Matlab	MathWorks	-	-
Mirror	Thorlabs	PF10-03-P01	Coated with protected silver.
Phosphate-buffered saline (PBS)	Life technologies	14190-136	-
Paraformaldehyde	Biosolution	BP031a	4% v/v in PBS
Cover slip	Thermo Fisher	3306	Thickness: #1 (0.13 to 0.17 mm)
Slide glass	Muto Pure Chemicals	5116-20F	Thickness: ~1 mm
Super glue	Henkel	Loctite 406	Use a dispensing equipment to avoid skin or eye contact.
Syringe pump	Brainetree Scientific	BS-8000 DUAL	-
Vibratome	Leica Biosystems	VT1200S	-
White-light laser	NKT photonics	EXB-6	EXB-6 was discontinued and replaced by EXU-6.