

Materials List for:

Electrophysiological Characterization of GFP-Expressing Cell Populations in the Intact Retina

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URL: <https://www.jove.com/video/3457>

DOI: [doi:10.3791/3457](https://doi.org/10.3791/3457)

Materials

Name	Company	Catalog Number	Comments
Night-vision goggles	Gutzeit GmbH, Warthausen, Germany	Xtron F1	includes a 800 nm light source
Optical filter	Schott AG	RG9	longpass filter with cutoff at 690 nm
Iris scissors	Fine Science Tools	14061-09	curved with 22 mm blade
Spring scissors	Fine Science Tools	15000-00	straight with 3 mm blade
Recording chamber	Luigs & Neumann	200-100 500 0180 type A(TC)	Teflon chamber with bottom-mounted glass cover slip (approx. 0.15 mm; No. 200-100 500 0182)
Flow heater	Multi Channel System MCS GmbH	PH01, TC01	heatable perfusion cannula with temperature sensor and temperature controller
Laser scanning microscope	Leica Microsystems	DM LFS	controlled by Leica Confocal Software
Air table	Newport Corp.	VH 3036W-OPT	
Laser	Newport Corp.		Tsunami Mode-locked Ti:sapphire laser
CCD camera	pco AG, Kelheim, Germany	PixelFly QE	including control software
Micropipette glass capillaries	Hilgenberg, Malsfeld, Germany	1408411	
Micropipette puller	Sutter Instrument Co.	P-97	
Alexa Fluor 594	Invitrogen	A-20004	fluorescent dye
Neurobiotin	Axxora	VC-SP-1120-M050	non-fluorescent tracer
Streptavidin-Cy3	Dianova	016-160-084	
Micromanipulator	Luigs & Neumann	210-100 000 0010	motorized Mini25 manipulator unit with display SM-5
Patch-clamp amplifier	npi electronic	SEC-05LX npi	
Digitizer	National Instruments	BNC-2090	
Data acquisition software WinWCP	John Dempster, University of Scotland, Glasgow, UK		http://spider.science.strath.ac.uk/sipbs/software.htm
Visual stimulus generator QDS	Thomas Euler, University of Tübingen, Germany		has to be operated on a separate computer controlling 2 monitors (user interface, stimulus monitor)
Neutral density filters	ITOS, Mainz, Germany		