

Materials List for:

# Optogenetics Identification of a Neuronal Type with a Glass Optrode in Awake Mice

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## Materials

Name	Company	Catalog Number	Comments
Electrode holder	Molecular Device	1-HL-U	pipette holder for microelectrode amplifier
Ceramic split mating sleeve	Thorlabs	ADAF1	∅2.5 mm ferrule
Circuit board spacer	Teishin Denki	SPA-320	∅8.0 mm, 20.0 mm long
Stereotaxic frame for mice	Narishige	SR-6M-HT	Stereotaxic instruments for mice
Manipulator	Narishige	NA	Manual manipulator
Superbond	Sun Medical	M: 204610557	Dental adhesive resin cement
Form2	Formlabs	NA	3D printer
Kwik-Sil	WPI	KWIK-SIL	Low toxicity silicone adhesive
Borosilicate glass capillaries	Narishige	GD-1.5	OD 1.5 mm, ID 0.9 mm, 90.0 mm long
Fiber-optic patch cord	Doric Lenses	MFP_960/1000/2200-0.63_1m_FCMZF2.5	Monofiber optic patchcord, OD, 2.5 mm, core = 960 nm, cladding = 1000 nm, NA = 0.63
Connectrized LED	Doric Lenses	LEDC-1B_FC	Central wave length = 465 nm, output power = 45 mW (Core 960 nm 0.63 NA )
LED driver	Doric Lenses	LEDRV_1CH_1000	1 ch LED driver, maximum output = 1000 mA
Electrode puller	Narishige	PB-7	Dual-stage glass micropipette puller
Borosilicate glass capillary	Narishige	GD-1.5	Borosilicate glass capillary, OD, 1.5mm, ID, 0.9 mm, 90.0 mm long
GENTACIN	MSD CO., Ltd	185711173	Antibiotic ointment
Terramycin®-LA	Zoetis	G 333	Oxytetracycline
Tg(Slc32a1- COP4*H134R/EYFP)8Gfng/J	Jackson Labs	#14548	VGAT-ChR2 mice
Multiclamp 700B	Molecular Devices	2500-0157	Microelectrode amplifier