

Materials List for:

Simultaneous Electroencephalography, Real-time Measurement of Lactate Concentration and Optogenetic Manipulation of Neuronal Activity in the Rodent Cerebral Cortex

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Materials

Name	Company	Catalog Number	Comments
BASi Mouse Guide Cannula	Pinnacle Technology/BASi Inc	7032	
Lactate Biosensor	Pinnacle Technology	7004	
Head Mount	Pinnacle Technology	8402	
Sleep/Biosensor Recording system	Pinnacle Technology	8400-K1-SL	2 EEG channels, 1 EMG channel, & 1 biosensor
Tethered Mouse in-vitro Calibration kit	Pinnacle Technology	7000-K1-T	
Fiber Optic Guide Cannula	Plastics One	C312G	21 Gauge Guide Cannula
Dummy Cannula	Plastics One	C312DC	21 Gauge Dummy
Diamond Fiber Scribe	Thorlabs	S90W	
Fiber Connector Crimp Tool	Thorlabs	CT042	
Furcation Tubing	Thorlabs	FT030	03.0 mm
	Thorlabs	T10S13	Max Dia. 0.012
Furcation Tube Stripper	Thorlabs	FTS3	
Bare Hard Cladding Multimode Fiber	Thorlabs	BFL37-200	200 µm Core, 0.37 NA
Wire Snips/Kevlar Shears	Thorlabs	T865	
Fiber Optic Epoxy	Thorlabs	F112	
Fiber Stripper Tool	Thorlabs		
Glass Polishing Plate	Thorlabs	CTG913	
Rubber Polishing Pad	Thorlabs	NRS913	
Eye Loupe	Thorlabs	JEL10	
Kim Wipes	Thorlabs	KW32	
Compressed Air	Thorlabs	CA3	
Polishing Puck	Thorlabs	D50-xx	
Fiber Inspection scope	Thorlabs	CL-200	
Polishing Films	Thorlabs	LFG5P, LFG3P, LFG1P, LFG03P	
FC/PC connector end	Thorlabs	30126G2-240	240 µm Bore, SS Ferrule
MC Stimulus Unit	Multi-Channel Systems	STG-4002	
MC Stimulus Software	Multi-Channel Systems	MC-Stimulus V 2.1.5	
Blue Laser	CrystaLaser	CL473-050-0	
Laser Power supply	CrystaLaser	CL2005	
Fiber Optic Rotary Joint	Doric Lenses	FRJ-v4	

Table 2. Supplies and equipment.