

Materials List for:

Voltage-sensitive Dye Recording from Axons, Dendrites and Dendritic Spines of Individual Neurons in Brain Slices

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Materials

Name	Company	Catalog Number	Comments
Setup components			
Upright Microscope	Olympus Inc.	BX51WI	With three camera ports
Motorized Movable Stage	Siskiyou	MXOPi.2	
Epi-fluorescence Condenser for Olympus BX51	TILL Photonics	0000-560-11659	
Upright Microscope	Carl Zeiss, LLC	AxioExaminer D1	With three camera ports
Motorized Top Plate	Scientifica Limited	MMBP	
Epi-fluorescence Condenser for Zeiss Axi-xaminer	TILL Photonics		
Data Acquisition Camera	RedShirtImaging LLC	NeuroCCD-SM	High speed, low read noise
CCD for IR-DIC	Dage-MTI	IR-1000	
Spinning-Disc Confocal Scanner	Yokogawa	CSU-10	
High Spatial Resolution CCD on Confocal Scanner	PCO AG	PixelFly	1392x1024 pixels
DPSS CW Laser (532 Nm)	CNI Optoelectronics Tech. Co., Ltd	MLL-III-532 400mW	Excitation light source
Multi-Mode Fiber Launcher	Siskiyou	SM-CFT	
Light Guide	TILL Photonics	0000-515-11524	
Shutter	Vincent Associates	LS6	
Vibration Isolation Table	Minus k Technology	MK26	
Specific reagents			
Di-2-ANEPEQ (JPW 1114)	Life Technologies	D-6923	Voltage sensitive dye
Crym-EGFP Mouse Line	GENSAT (MMRRC)	STOCK Tg(Crym-EGFP)GF82Gsat/Mmcd	Sparsely expressing EGFP in Layer 5 cortical neurons