

Materials List for:

Vibrodissociation of Neurons from Rodent Brain Slices to Study Synaptic Transmission and Image Presynaptic Terminals

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Materials

Name	Company	Catalog Number	Comments
Vibrating Tissue Slicer	Leica Microsystems	VT1200S	
Cell Culture Dish (35 mm)	BD Biosciences	353001	
Glass Bottom Dishes	Willco-dish	GWSB-5040 Or GWSB-3522	0.16-0.19 mm glass thickness for imaging
Piez-electric Manipulator	EXFO	LSS-3000	Could also use relay, etc.
SD9 Square Pulse Stimulator	Grass Technologies	SD9K	For triggering piez-electric manipulator
Dissecting Stereoscope	Wild Heerbrugg	TYP 374590	Could also use any stereoscope
Flaming/Brown micropipette puller	Sutter Instrument Co.	P-97	
Thin Wall Glass Capillaries	World Precision Instruments, Inc.	TW-150F-4	For flame-sealed glass micropipette and patch micropipette
Six Channel Perfusion Valve Control Systems	Warner Instruments	VC-6 or VC-6M	
Perfusion Fast-Step	Warner Instruments	SF-77B	
Inverted Microscope with 20-63x objectives	Nikon Instruments	TS200 Diaphot	
EMCCD Camera	Andor	iXon ^{EM} + DU-888	
Excite Fluorescence Illumination Light Source	EXFO	X-Cite 120PC	
Fluo-4, AM calcium indicator	Molecular Probes, Life Technologies	F14201	