

Materials List for

Single-Cell Electroporation across Different Organotypic Slice Culture of Mouse Hippocampal Excitatory and Class-Specific Inhibitory Neurons

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jove.com/video/61662

Materials

Name	Company	Catalog Number	Comments
Plasmid preparation			
Plasmid Purification Kit	Qiagen	12362	
Organotypic slice culture preparation			
6 Well Plates	GREINER BIO-ONE	657160	
Dumont #5/45 Forceps	FST	#5/45	Angled dissection forceps for organotypic slice culture preparation
Flask Filter Unit	Millipore	SCHVU02RE	Filtration and storage of culture media
Incubator	Binder	BD C150-UL	
Mcllwain Tissue Chopper	TED PELLA, INC.	10180	Tissue chopper for organotypic slice culture preparation
Millicell Cell Culture Insert, 30 mm	Millipore	PIHP03050	Organotypic slice culture inserts
Osmometer	Precision Systems	OSMETTE II	
PTFE coated spatulas	Cole-Parmer	SK-06369-11	
Scissors	FST	14958-09	
Stereo Microscope	Olympus	SZ61	
Sterile Vacuum Filtration System	Millipore	SCGPT01RE	Filtration and storage of aCSF
Electrode preparation			
Capillary Glasses	Warner Instruments	640796	
Micropipetter Puller	Sutter Instrument	P-1000	Puller
Oven	Binder	BD (E2)	
Puller Filament	Sutter Instrument	FB330B	Puller
Single-cell electroporation and fluorescence imaging #1			

3.5 mm Falcon Petri Dishes	BD Falcon	353001	
Airtable	TMC	63-7512E	
CCD camera	Q Imaging	Retiga-2000DC	Camera
Electroporation System	Molecular Devices	Axoporation 800A	Electroporator
Fluorescence Illumination System	Prior	Lumen 200	
Manipulator	Sutter Instrument	MPC-385	Manipulator
Metamorph software	Molecular Devices		Image acquisition
Peristaltic Pump	Rainin	Dynamax, RP-2	Perfusion pump
Shifting Table	Luigs & Neuman	240 XY	
Speaker	Unknown		Speakers connected to the electroporator
Stereo Microscope	Olympus	SZ30	
Table Top Incubator	Thermo Scientific	MIDI 40	
Upright Microscope	Olympus	BX61WI	
Fluorescence imaging #2			
All-in-One Fluorescence Microscope	Keyence	BZ-X710	