

Materials List for:

Investigating Mammalian Axon Regeneration: *In Vivo* Electroporation of Adult Mouse Dorsal Root Ganglion

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Materials

Name	Company	Catalog Number	Comments
ECM 830 Square wave electroporation system	BTX Harvard Apparatus	45-0052	For <i>in vivo</i> electroporation
Tweezertrodes electrodes	BTX Harvard Apparatus	45-0524	For <i>in vivo</i> electroporation, 1 mm flat
Picospritzer III	Parker Instrumentation	1096	Intracellular Microinjection Dispense Systems
Glass Capillary Puller	NARISHIGE	PC-10	
Borosilicate Glass Capillaries	World Precision Instruments, Inc.	1902328	
Stereo Dissection Microscope	Leica	M80	
Microsurgery Rongeur	F.S.T	16221-14	
Microsurgery Forceps	FST by DUMONT, Switzerland	11255-20	Only for sciatic nerve crush
Glass Capillary	World Precision Instruments, Inc.	TW100-4	10 cm, standard wall
Tape	Fisherbrand	15-901-30	For fixing the mouse on the corkboard
2, 2, 2-Tribromoethanol (Avertin)	Sigma-Aldrich	T48402	Avertin stock solution
2-methyl-2-butanol	Sigma-Aldrich	152463	Avertin stock solution
siRNA Fluorescent Universal Negative Control #1	Sigma-Aldrich	SIC003	Non-target siRNA with fluorescence
microRNA Mimic Transfection Control with Dy547	Dharmacon	CP-004500-01-05	Non-target microRNA with fluorescence
Plasmids preparation kit	Invitrogen Purelink	K210016	GFP-coding plasmid preparation
Fast Green Dye	Millipore-Sigma	F7252	For better visualization of the DRG outline during injection
Ketamine	Putney, Inc	NDC 26637-731-51	Anesthesia induction
Xylazine	AnaSed	NDC 59399-110-20	Anesthesia induction
Acetaminophen	McNeil Consumer Healthcare	NDC 50580-449-36	Post-surgical pain relief