

Materials List for

Utilizing *In Vivo* Postnatal Electroporation to Study Cerebellar Granule Neuron Morphology and Synapse Development

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jove.com/video/62568

Materials

Name	Company	Catalog Number	Comments
Betadine	Purdue Production	67618-150-17	
Cemented 10 µL needle	Hamilton	1701SN (80008)	33 gauge, 1.27 cm (0.5 in), 4 point style
Chicken anti-GFP	Millipore Sigma	AB16901	Our lab uses this antibody at a 1:1000 concentration
Cotton-tip applicator			
Donkey anti-chicken Cy2	Jackson ImmunoResearch	703-225-155	Our lab uses this antibody at a 1:500 concentration
Ethanol (200 proof)	Koptec	V1016	
Electroporator ECM 830	BTX Harvard Apparatus	45-0052	
Fast Green FCF	Sigma	F7252-5G	
FUGW plasmid	Addgene	14883	
Glass slides	VWR	48311-703	Superfrost plus
Glycerol	Sigma-Aldrich	G5516	
Heating pad	Softheat		
Hoescht 33342 fluorescent dye	Invitrogen	62249	
Imaris	Bitplane		
Isoflurane	Patterson Veterinary	07-893-1389	
Micro cover glass	VWR	48382-138	
Nail polish	Sally Hansen	Color 109	
Normal goat serum	Gibco	16210064	
O.C.T. embedding compound	Tissue-Tek	4583	
Olympus MVX10 Dissecting Scope	Olympus	MVX10	
P200 pipette reach tip	Fisherbrand	02-707-138	Used for needle spacer
Parafilm	Bemis	PM-996	
PBS pH 7.4 (10x)	Gibco	70011-044	

Simple Neurite Tracer	FIJI		https://imagej.net/Simple_Neurite_Tracer:_Basic_Instructions
Sucrose	Sigma	S0389	
Surgical tools	RWD Life Science		Small scissors and tweezers
Triton X-100	Roche	11332481001	non-ionic detergent
Tweezerrodes	BTX Harvard Apparatus	45-0489	5 mm, platinum plated tweezer-type electrodes
Ultrapure distilled water	Invitrogen	10977-015	
Vectashield mounting media	Vectashield	H1000	
Vetbond tissue adhesive	3M	1469SB	
Zeiss 780 Upright Confocal	Zeiss	780	