

Materials List for:

Preparation of Rhythmically-active *In Vitro* Neonatal Rodent Brainstem-spinal Cord and Thin Slice

Samantha B. Palahnuk^{1,2}, Jonathan A. Abdala¹, Vadim V. Gospodarev³, Christopher G. Wilson¹

¹Center for Perinatal Biology, Department of Basic Sciences, Loma Linda University

²Department of Biology, The College of New Jersey

³Department of Neurosurgery, Loma Linda University

Correspondence to: Christopher G. Wilson at cgwilson@llu.edu

URL: <https://www.jove.com/video/58870>

DOI: [doi:10.3791/58870](https://doi.org/10.3791/58870)

Materials

Name	Company	Catalog Number	Comments
NaCl	Fisher Scientific	S271-500	
KCl	Sigma Aldrich	P5405-1KG	
NaHCO ₃	Fisher Scientific	BP328-1	
NaH ₂ PO ₄ •H ₂ O	Sigma Aldrich	S9638-25G	
CaCl ₂ •2H ₂ O	Sigma Aldrich	C7902-500G	
MgSO ₄ •7H ₂ O	Sigma Aldrich	M7774-500G	
D-Glucose	Sigma Aldrich	G8270-1KG	
Cold-Light source Halogen lamp 150W	AmScope	H2L50-AY	
Dissection Microscope	Leica	M-60	
Vibratome 1000 Plus	Vibratome	W3 69-0353	
Magnetic Base	Kanetic	MB-B-DG6C	
Isoflurane, USP	Patterson Veterinary	NDC 14043-704-06	
Sword Classic Double Edge Blades	Wilkinson	97573	
Histoclear	Sigma-Aldrich	H2779	
Dumont #5 Fine Forceps	Fine Science Tools	11254-20	
Dumont #5/45 Forcep	Fine Science Tools	11251-35	
Scalpel Blades #10	Fine Science Tools	10010-00	
Scalpel Handel #3	Fine Science Tools	10003-12	
Spring Scissors Straight	Fine Science Tools	15024-10	
Narrow Pattern Forcep Serrated/straight	Fine Science Tools	11002-12	
Castroviejo Micro Dissecting Spring Scissors; Straight	Roboz	RS-5650	
Vannas Scissors 3" Curved	Roboz	RS-5621	
Insect pins, 0	Fine Science Tools/8840604	26000-35	
Insect pins, 0, SS	Fine Science Tools	26001-35	
Insect pins, 00	Fine Science Tools	26000-30	
Insect pins, 00, SS	Fine Science Tools	26001-30	
Insect pins, 000	Fine Science Tools	26000-25	
Insect pins, 000, SS	Fine Science Tools	26001-25	
Minutien pins, 0.10 mm	Fine Science Tools	26002-10	

Minutien pins, 0.15 mm	Fine Science Tools	26002-15	
Minutien pins, 0.2 mm	Fine Science Tools	26002-20	
Fisher Tissue prep Parafin	fisher	T56-5	
Graphite	fisher	G67-500	
Delrin Plastic	Grainger	3HMT2	
18 Gauge Hypodermic Needle	BD	305195	