

Materials List for:

# Electrophysiology on Isolated Brainstem-spinal Cord Preparations from Newborn Rodents Allows Neural Respiratory Network Output Recording

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URL: <https://www.jove.com/video/53071>

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## Materials

Name	Company	Catalog Number	Comments
Sylgard	Sigma Aldrich	761036-5EA	Use under hood
NaCl	Bioshop	SOD002	
KCl	Bioshop	POC888	
CaCl <sub>2</sub>	Bioshop	CCL444	
MgCl <sub>2</sub>	Bioshop	MAG510	
NaHCO <sub>3</sub>	Bioshop	SOB999	
NaH <sub>2</sub> PO <sub>4</sub>	Bioshop	SPM306	
D-glucose	Bioshop	GLU501	
Carbogen	Linde	343-02-0006	
Temperature Controller	Warner Instruments, Hamden, CT, USA	TC-324B	
Suction electrode	A-M Systems, Everett, WA, USA	model 573000	
Differential AC amplifier	A-M Systems, Everett, WA, USA	model 1700	
Moving averager	CWE, Ardmore, PA, USA	model MA-821	
Data acquisition system	Dataq Instruments, Akron, OH, USA	model DI-720	
LabChart software	ADInstruments, Colorado Springs, CO, USA		
Prism software	Graphpad, La Jolla, CA, USA		
Dissection chamber	Plastic box (e.g. petri box) will do		
Recording chamber	Home made		
Base	Kanetec, Bensenville, IL, USA	MB	
Micromanipulator	World Precision Instrument Inc, Sarasota, FL, USA	KITE-R	
Base	Kanetec, Bensenville, IL, USA	MB	
Peristaltic pump	Gilson, Middleton, WI, USA	MINIPULS 3	
Faraday Cage	Home made		
Computer			