

Materials List for:

# Local Application of Drugs to Study Nicotinic Acetylcholine Receptor Function in Mouse Brain Slices

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URL: <https://www.jove.com/video/50034>

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## Materials

Name	Company	Catalog Number	Comments
N-Methyl D-glucamine	Sigma	M2004	
KCl	Sigma	P3911	
NaH <sub>2</sub> PO <sub>4</sub>	Sigma	S9638	
NaHCO <sub>3</sub>	Sigma	S6014	
HEPES	Sigma	H3375	
glucose	Sigma	G5767	
Na <sup>+</sup> ascorbate	Sigma	A4034	
thiourea	Sigma	T8656	
Na <sup>+</sup> pyruvate	Sigma	P2256	
MgSO <sub>4</sub> ·7H <sub>2</sub> O	Sigma	230391	
CaCl <sub>2</sub> ·2H <sub>2</sub> O	Sigma	223506	
NaCl	Sigma	S9625	
Na <sup>+</sup> pentobarbital	Vortech Pharmaceuticals	76351315	
potassium gluconate	Sigma	G4500	
EGTA	Sigma	E3889	
Mg-ATP	Sigma	A9187	
GTP	Sigma	G8877	
DSK-Zero 1 Vibrating slicer	Ted Pella, Inc.		
P-97 Flaming/Brown micropipette puller	Sutter		
RC-27 Recording chamber	Warner		
TC-344B Perfusion heater controller	Warner	640101	
SH-27B Solution heater	Warner	640102	
Nikon FN-1	Nikon		
C-7500 CCD Video camera	Hamamatsu		
Picospritzer III	General Valve Co.		
MP-285 Micromanipulator	Sutter		
PA-100 Piezoelectric translator	piezosystem jena, Inc.		
12V40 piezo amplifier	piezosystem jena, Inc.		
Axopatch 200B	Molecular Devices Corp.		
Digidata 1440A	Molecular Devices Corp.		