

Materials List for:

# Improved Preparation and Preservation of Hippocampal Mouse Slices for a Very Stable and Reproducible Recording of Long-term Potentiation

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## Materials

Name	Company	Catalog Number	Comments
<b>Reagent/Material</b>			
NaCl	Sigma - Aldrich	S7653	
NaHCO <sub>3</sub>	Sigma - Aldrich	S8875	
KCl	Sigma - Aldrich	P9333	
D-glucose	Sigma - Aldrich	G7528	
NaH <sub>2</sub> PO <sub>4</sub>	Sigma - Aldrich	S9638	
MgSO <sub>4</sub> 1M	Sigma - Aldrich	63126	
CaCl <sub>2</sub>	Sigma - Aldrich	C4901	
Carbogen	Air Liquide (Belgium)		
Capillaries	WPI, Inc. (UK)	TW150-4	
Stimulating Electrodes	FHC (USA)	CE2B30	
Surgical tools	FST (Germany)		
Filter paper 84 g/m <sup>2</sup>	Sartorius	FT-3-105-110	
Mesh	Lycra	15 den	
Glue	UHU	plus endfest300	
<b>Instrument</b>			
Amplifier	WPI, Inc. (UK)	ISO-80	
Interface recording chamber	FST (Germany)		
Peristaltic pumps	Gilson (USA)	Minipuls 3	
Temperature controller	University of Edinburgh	<a href="http://www.etcssystem.com">www.etcssystem.com</a>	
Tissue Chopper	Mcllwain		
Stimulators	Grass (USA)	S88X + SIU-V	
Program analysis	WinLTP	<a href="http://www.winltp.com">www.winltp.com</a>	
Micromanipulators	Narishige	MM-3 and MMO-220A	
Surgical microscope	Leica Microsystem		
A/D converter	National Instruments	NIPCI-6229 M-series	