

Materials List for

Hypothalamic Kisspeptin Neurons as a Target for Whole-Cell Patch-Clamp Recordings

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Materials

Name	Company	Catalog Number	Comments
Compounds for aCSF, internal and slicing solutions			
ATP	Sigma Aldrich/various	A9187	
CaCl ₂	Sigma Aldrich/various	C7902	
D-(+)-Glucose	Sigma Aldrich/various	G7021	
EGTA	Sigma Aldrich/various	O3777	
HEPES	Sigma Aldrich/various	H3375	
KCL	Sigma Aldrich/various	P5405	
K-gluconate	Sigma Aldrich/various	G4500	
KOH	Sigma Aldrich/various	P5958	
MgCl ₂	Sigma Aldrich/various	M9272	
MgSO ₄	Sigma Aldrich/various	230391	
NaCl	Sigma Aldrich/various	S5886	
NaH ₂ PO ₄	Sigma Aldrich/various	S5011	
NaHCO ₃	Sigma Aldrich/various	S5761	
nitric acid	Sigma Aldrich/various	225711	CAUTION
Sucrose	Sigma Aldrich/various	S1888	
Equipments			
Air table	TMC	63-534	
Amplifier	Molecular Devices	Multiclamp 700B	
Computer	various	-	
DIGIDATA 1440 LOW-NOISE DATA ACQUISITION SYSTEM	Molecular Devices	DD1440	
Digital peristaltic pump	Ismatec	ISM833C	
Faraday cage	TMC	81-333-03	
Imaging Camera	Leica	DFC 365 FX	
Micromanipulator	Sutter Instruments	Roe-200	

Micropipette Puller	Narishige	PC-10	
Microscope	Leica	DM6000 FS	
Osteotome	Bonther equipamentos & Tecnologia/ various	128	
Recovery chamber	Warner Instruments/Harvard apparatus	-	can be made in-house
Recording chamber	Warner Instruments	640277	
Spatula	Fisher Scientific /various	FISH-14-375-10; FISH-21-401-20	
Vibratome	Leica	VT1000 S	
Water Bath	Fisher Scientific /various	Isotemp	
Software and systems			
AxoScope 10 software	Molecular Devices	-	Commander Software
LAS X wide field system	Leica	-	Image acquisition and analysis
MultiClamp 700B	Molecular Devices	MULTICLAMP 700B	Commander Software
PCLAMP 10 SOFTWARE FOR WINDOWS	Molecular Devices	Pclamp 10 Standard	
Tools			
Ag/AgCl electrode, pellet, 1.0 mm	Warner Instruments	64-1309	
Curved hemostatic forcep	various	-	
cyanoacrylate glue	LOCTITE/various	-	
Decapitation scissors	various	-	
Filter paper	various	-	
Glass capillaries (micropipette)	World Precision Instruments, Inc	TW150F-4	
Iris scissors	Bonther equipamentos & Tecnologia/ various	65-66	
Pasteur glass pipette	Sigma Aldrich/various	CLS7095B9-1000EA	
Petri dish	various	-	
Polyethylene tubing	Warner Instruments	64-0756	
Razor blade for brain dissection	TED PELLA	TEDP-121-1	
Razor blade for the vibratome	TED PELLA	TEDP-121-9	
Scissors	Bonther equipamentos & Tecnologia/ various	71-72, 48,49;	
silicone teat	various	-	
Slice Anchor	Warner Instruments	64-0246	
Syringe filters	Merck Millipore Ltda	SLGVR13SL	Millex-GV 0.22 µm
Tweezers	Bonther equipamentos & Tecnologia/ various	131, 1518	