

Materials List for:

Stochastic Noise Application for the Assessment of Medial Vestibular Nucleus Neuron Sensitivity In Vitro

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Materials

Name	Company	Catalog Number	Comments
CaCl	Scharlau	CA01951000	Used for ACSF and sACSF
D-(+)-Glucose	Sigma	G8270	Used for ACSF and sACSF
EGTA	Sigma	E0396-25G	Used for K-based intracellular solution
HEPES	Sigma	H3375-25G	Used for K-based intracellular solution
KCl	Chem-supply	PA054-500G	Used for ACSF, sACSF and intracellular solution
K-gluconate	Sigma	P1847-100G	Used for K-based intracellular solution
Mg-ATP	Sigma	A9187-500MG	Used for K-based intracellular solution
MgCl	Chem-supply	MA00360500	Used for ACSF and sACSF
Na3-GTP	Sigma	G8877-100MG	Used for K-based intracellular solution
NaCl	Chem-supply	SO02270500	Use for ACSF and intracellular solution
NaH2PO4.2H2O	Ajax	AJA471-500G	Used for ACSF and sACSF
NaHCO3	Sigma	S5761-1KG	Used for ACSF and sACSF
Sucrose	Chem-supply	SA030-500G	Used for sACSF
Isoflurane	Henry Schein	1169567762	Used for anaesthetising mice
EQUIPMENT			
Borosilicate glass capillaries	Warner instruments	GC150T-7.5	1.5mm OD, 1.16mm ID, 7.5cm length
Data acquisition software	Axograph		Used for electrophysiology and analysis
Friedmen-Pearson Rongeurs	World precision instruments	14089	Used for dissection
Micropipette puller	Narishige	PP-830	Used for micropipette
Multiclamp amplifier	Axon instruments	700B	Used for electrophysiology
pH meter	Sper scientific	860033	Used for internal solution
Standard pattern scissors	FST	14028-10	Used for dissection
Sutter micromanipulator	Sutter	MP-225/M	Used for electrophysiology
Upright microscope	Olympus	BX51WI	Used for electrophysiology
Vibratome	Leica	VT1200	Used for slicing brain tissue