

Materials List for:

Recording Temperature-induced Neuronal Activity through Monitoring Calcium Changes in the Olfactory Bulb of *Xenopus laevis*

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Materials

Name	Company	Catalog Number	Comments
Reagents			
Sodium chloride	Merck Millipore	1064040500	
Potassium chloride	Merck Millipore	1049360250	
Calcium chloride dihydrate	Merck Millipore	1023820250	
Magnesium chloride hexahydrate	Merck Millipore	1058330250	
D(+)-Glucose	Merck Millipore	1083371000	
Sodium pyruvate	Sigma-Aldrich	P2256	
HEPES	Merck Millipore	1101100250	
Calcium Green 10 kDa Dextran	Thermo Fisher Scientific	C-3713	
Dextran, Alexa Fluor 647	Thermo Fisher Scientific	D-22914	
Dextran, Alexa Fluor 546	Thermo Fisher Scientific	D-22911	
Fluo-8 AM	TEFlabs	203	
MK571	Alexis Biochemicals	340-021-M005	
MS-222	Sigma-Aldrich	E10521	
Pluronic acid F-127	Sigma-Aldrich	P2443	powder
L-Histidine monohydrochloride monohydrate	Sigma-Aldrich	53370	
DMSO	Merck Millipore	1029522500	
Equipment			
Electronic pipette	BrandTech	HandyStep Electronic Repeating Pipette	
NiCr-Ni thermocouple	Greisinger Elektronik	GTF 300	
Micropipette puller	Narishige	Model PC-10	two-step puller
Funnel applicator	(Custom-made)		
Line-illumination microscope	(Custom-made)		otherwise, a commercially available spinning disk microscope
Objective W Plan-Apochromat 63X/1.0	Zeiss	441470-9900-000	
Objective W Plan-Apochromat 40X/1.0 DIC	Zeiss	441452-9900-000	
Software			
MATLAB	The MathWorks		from R2010b upwards