

Materials List for:

Forebrain Electrophysiological Recording in Larval Zebrafish

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Materials

Name	Company	Catalog Number	Comments
Agarose low melting	Fisher-Scientific	BP1360-100	Dissolve in embryo media at 1.2%
Recording media	Fisher-Scientific	BP3581, P330-3, BP410-1, BP214-500, D16-1, C77-500	1 mM NaCl, 2.9 mM KCl, 10 mM HEPES, 1.2 mM MgCl ₂ , 10 mM Dextrose, 2.1 mM CaCl ₂ pH to approximately 7.3 with 1 N NaOH
Tricaine	Argent Labs	MS-222	0.02%
α-bungarotoxin	Tocris Bioscience	2133	1 mg/ml
Capillary glass tubing	Warner Instruments	G120TF-3	Pull to a resistance of 2 -7 MΩ
Patch clamp amplifier	Warner Instruments	PC-505B	We use a Warner amplifier in current-clamp mode; Gain set at 2 mV/pA and Bessel filter set at 2K. Comparable models can be used according to manufacturer's instructions.
Filter/amplifier	Cygnus Technology	FLA-01	We use a Cygnus pre-amplifier; Gain set at 10-20; Cut-off frequency set at 1-2K; Notch filter IN. Comparable models can be used according to manufacturer's instructions.
Axon A/D board and Axoscope software	Molecular Devices	Axon Digidata 1320A; Axoscope 8.2	Data is collected in Axoscope using gap-free acquisition mode; sampling at 10 KHz. Comparable models and programs can be used according to manufacturer's instructions.
Egg water	Instant Ocean		3 g Instant Ocean sea salt, 2 ml 0.1% methylene blue in 10 ml deionized water