

Materials List for:

In vivo Electroporation of Morpholinos into the Regenerating Adult Zebrafish Tail Fin

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Materials

Name	Company	Catalog Number	Comments
CUY21-EDIT or CUY21-SC Square wave electroporator	Protech International, Inc.	CUY21EDIT or CUY21SC	Both units work for this protocol
3-mm diameter paddle electrodes	Protech International, Inc.	CUY 650-P3	
Morpholino	GeneTools, LLC		Morpholino should be custom designed to your protein of interest
2-Phenoxyethanol	Sigma-Aldrich	77861-1L	Anesthesia; dilute 1:1000 in fish system water for procedure, 1:500 for euthanasia
Micro-injection pump	World Precision Instruments, Inc.	PV830 Pneumatic PicoPump	Many different microinjection systems could be used
Micro-manipulator	World Precision Instruments, Inc.	MMJR	Right-handed (MMJL for left-handed)
Micro-injection needles, 1.0 mm outside diameter	World Precision Instruments, Inc.	1B100F-4	These are borosilicate glass capillaries, pulled into a needle
Needle holder	World Precision Instruments, Inc.	5430-ALL	Pico Nozzle Kit; make sure to inset the 1.0 mm pipette gasket
Needle puller	Sutter Instrument Co.	P-97	Other micropipette/needle pullers should also work
Microscope	Leica, Nikon, Zeiss	Number varies depending on the manufacturer	Any stereomicroscope with 20X optics and the ability to work with micromanipulators