

Materials List for:

Reverse Genetic Morpholino Approach Using Cardiac Ventricular Injection to Transfect Multiple Difficult-to-target Tissues in the Zebrafish Larva

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URL: <https://www.jove.com/video/51595>

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Materials

Name	Company	Catalog Number	Comments
Morpholino with 3' fluorescein tag	Gene Tools Inc.	Customized	More information at www.gene-tools.com
Endo-Porter	Gene Tools Inc.		More information at www.gene-tools.com
Agarose	Serva	120623	For pouring plates to place the fish during injections and imaging
Tricaine (L-Ethyl-m-amino-benzate-methane sulfonate)	Applichem		For anesthesia
E3 medium (5 mM NaCl; 0.17 mM KCl; 0.33 mM CaCl ₂ ; 0.33 mM MgSO ₄)			For larval husbandry
Petri Dishes	Sarstedt	821.472	For placing the fish during injections and imaging
Thin Wall Glass Capillaries	World Precision Instruments, Inc.	TW100F-3	For preparing injection needles
Microloader pipette tips	Eppendorf	5,242,956,003	For loading the needle
Pasteur Pipettes (3 ml/1 ml)	Brand	747760/ 74775	For transferring larva
Flaming/Brown needle puller	Sutter		More information at www.sutter.com
Watchmaker (Dumont) Tweezers (size 5)	World Precision Instruments, Inc.	501985	To brake the needle before sharpening
Dissecting microscope	Olympus, Leica, Zeiss	Varies with the manufacturer	Part of the whole injection setup
Fluorescence camera	Olympus, Leica, Zeiss	Varies with the manufacturer	To image the fluorescence after injection
PicoNozzle kit (microinjector holder)	World Precision Instruments	5430-12	For microinjections
Pneumatic PicoPump (microinjector)	World Precision Instruments	SYS-PV820	For microinjections