

Materials List for:

# Precise Cellular Ablation Approach for Modeling Acute Kidney Injury in Developing Zebrafish

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## Materials

Name	Company	Catalog Number	Comments
Petri Dishes, 35 x 10 mm	Genesee Scientific	32-103	Procedural Usage: Step 2.4, 2.7
Petri Dishes, 100 x 15 mm	Midwest Scientific	910	Procedural Usage: Step 1
Dechlorination forceps - Electron Microscopy Sciences Dumont Tweezers 5 Dumostar	Fischer Scientific	50-241-57	Procedural Usage: Step 2.1.1
Plastic Transfer Pipet	Globe Scientific	135030	Procedural Usage: Step 2.5, 3.6
Tricaine	Sigma Aldrich	A5040-25G	Procedural Usage: Step 2.3, 3.4
Agarose	Fischer Scientific	BP165-25	Procedural Usage: Step 2.3
Pulled glass probe (manufactured manually from glass capillary tubes)	Fischer Scientific	21-1640-2C	Procedural Usage: Step 2.4
Stereomicroscope	Nikon	SMZ1270	Procedural Usage: Step 1.5
SOLA Light Engine	Lumencor	SOLA SM-5-LCR-SB	Procedural Usage: Step 1.5
Eclipse C2 Plus Confocal Microscope System	Nikon		Procedural Usage: Step 3
1x E3 Solution			Recipe used to generate: 5 mM NaCl, 0.17 mM KCl, 0.33 mM CaCl <sub>2</sub> , 0.33 mM MgSO <sub>4</sub> Procedural Step Usage: 1.2, 1.3, 2.2, 2.3
PTU	Sigma	P7629-10G	Procedural Step Usage: 1.3, 2.2, 3.4, 4.2
NIS Elements Software	Nikon	C2+	Procedural Usage: Step 3
Laser Unit	Agilent	MLC 400	Procedural Step 3.11
Propidium Iodide (PI)	Sigma Aldrich	P4170-100MG	Procedural Step Usage: 4.2