

Materials List for:

Generating Chimeric Zebrafish Embryos by Transplantation

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URL: <https://www.jove.com/video/1394>

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Materials

Name	Company	Catalog Number	Comments
Injection rig	Applied Scientific Instrumentation	MPPI-3	Foot pedal can be ordered separately
Pronase	Sigma-Aldrich	P5147	protease type XIV"
Pen-Strep	Sigma-Aldrich	P4458	100x stock
Methyl cellulose	Sigma-Aldrich	M-0387	
Fluorescent dextran	Molecular Probes, Life Technologies	various	Eg. lysine-fixable rhodamine dextran (D7162)
Injection pipettes (1.2mmx0.94mmx10cm)	Sutter Instrument Co.	BF120-94-10	
Transplant pipette option 1	World Precision Instruments, Inc.	TW100-4	
Transplant pipette option 2	VWR international	#53508-400	
micromanipulator	Narishige International	UMJ-3FC (?)	
Micromanipulator magnetic stand	Narishige International	GJ-1	
Transplant apparatus	Sutter Instrument Co.	MI-10010	
Fine micromanipulator	Narishige International	MMO-203	
Depression slides	Fisher Scientific	12560A	
Agar molds for injection and transplants	AL-AN Mfg, Inc.		
Reagents: Recipes for many of the reagents used for these procedures are found in The Zebrafish Book, which is available in full online at http://zfin.org/zf_info/zfbook/zfbk.html . Recipes are provided there for preparation of Fish Water, Embryo Medium with and without antibiotics, pronase for dechorionating, fluorescent dextran, and methyl cellulose.			