

Materials List for:

Tissue Targeted Embryonic Chimeras: Zebrafish Gastrula Cell Transplantation

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Materials

Name	Type	Company	Catalog Number	Comments
Petri dishes	Tool	Fisher Scientific	08-757-13	100 x 15 mm
Glass bottom culture plates	Tool	MatTek Corp.	P35G-1.5-2.0-C	35 x 15mm, No 1.5, Uncoated, Gamma-irradiated
Wide Bore Glass Pasteur pipets	Tool	Fisher Scientific	63A-53-WT	
Glass filament capillaries for trough molds (without filament) and injection needles (with filament)	Tool	World Precision Instruments, Inc.	1B150F-4	4 in. (100 mm), 1.5 / 0.84 OD/ID (mm)
Transplant Capillaries (TransferTip)	Tool	Eppendorf	83000122-8	Type IV, sterile, Int. 15µm; 20 degree bend
Transplant mold	Tool	Adaptive Science Tools	PT-1	150 triangular divots to hold individual embryos
Agarose, Type I	Reagent	Sigma-Aldrich	A6013-250G	1.5% agarose made in EM
(Antibiotic) Embryo Medium	Reagent			See Westerfield, 2007
Phosphate Buffer	Reagent			See Westerfield, 2007
Watchman Forceps	Tool	Fine Science Tools		100+mm tip (dull), 50mm tip
Rhodamine B Dextran	Lineage tracer dye	Molecular Probes, Life Technologies	D1824	MW 10,000 Da, lysine-fixable, red (590nm) fluorescent dye excited with green (570nm) light
Dissecting Microscope	Microscope	Olympus Corporation	SZX7	
Fluorescent Stereo Microscope	Microscope	Carl Zeiss, Inc.	Lumar	Fully Automated Joystick Controlled (Sycop)
Transplant Apparatus	Tool	Eppendorf	AirTram	
Automated Micromanipulator	Tool	Eppendorf	TransferMan NK2	Joystick Controlled
Micromanipulator	Tool	Applied Scientific Instrumentation	00-42-101-0000	MM33 Right
Microinjector with Back Pressure Unit	Tool	Applied Scientific Instrumentation	MPPI-2 BPU	
Flamming/Brown Micropipet Puller	Tool	Sutter Instrument Co.	Model P97	Program: Heat 550; Velocity 200; Time/Delay 200; Pull force 120.