

Materials List for:

Generation of Parabiotic Zebrafish Embryos by Surgical Fusion of Developing Blastulae

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URL: <https://www.jove.com/video/54168>

DOI: [doi:10.3791/54168](https://doi.org/10.3791/54168)

Materials

Name	Company	Catalog Number	Comments
Methyl cellulose	Sigma	M0387	
Individual components for E3/HCR:		For 1L: 14,61g NaCl, 0,63g KCl, 2,43g CaCl ₂ -2H ₂ O, 1,99g MgSO ₄	
NaCl (Sodium chloride)	Sigma-Aldrich	S9888	
KCl (Potassium chloride)	Sigma-Aldrich	P9541	
CaCl ₂ (Calcium chloride dihydrate)	Sigma-Aldrich	223506	
MgSO ₄ (Magnesium sulfate heptahydrate)	Sigma-Aldrich	230391	
Hepes (1M) buffer solution	ThermoFisher	15630-080	
Name	Company	Catalog Number	
Antibiotics:			
Pen/Strep	gibco by Life technologies	15140-120	
Ampicilin sodium salt	Sigma Life Science	A0166	
Kanamycin sulfate from Streptomyces kanamyceticus	Sigma Life Science	K1377	
Name	Company	Catalog Number	
50 mg/ml Pronase from Streptomyces griseus	Roche	11459643001	
capillary glass used for needles (Capillary Glass & Filaments)	Sutter Instrument	ITEM#: BF 100-50-10	
Teasing needles with wooden handles	Fisher Scientific	S07894	
Glass Pasteur pipettes	Fisherbrand	13-678-20A	
10 ml pipette pump (green) (Pipette Pump Pipettor)	Novatech International	F37898-0000	
100 mm diameter/ 20 mm deep plastic petri dishes (PETRI DISH, 100/20 MM, PS, CLEAR, WITH VENTS, HEAVY DESIGN, 15 PCS./BAG)	Greiner Bio-one	664102	
Dextran, Cascade Blue, 10,000 MW, Anionic, Lysine Fixable	ThermoFisher	D-1976	

PTU. working stock is 0.003% (50x is 0.15%). for 500 ml, 0.75 g N-Phenylthiourea	Sigma-Aldrich	P7629	
Tricaine (powder) (Tricaine Methanesulfonato, Tricaine-S)	Western Chemical Inc	MS 222	
LMP agarose (Ultrapure LMP agarose)	Invitrogen	16520100	
plastic transfer pipette (just the wide ended one I think)	Fisherbrand	137115AM	
Glass-bottom 6-well plates used for imaging	MatTek	P06G1.5-20-F	
plastic western gel loading tip fixed on the end of a wood-handled dissecting needle (GELoader tips)	Eppendorf	22351656	
glass cover slips, slides and vacuum grease if mounting for an upright microscope:			
Vacuum grease (Dow Corning® high-vacuum silicone grease colorless, weight 5.3 oz (tube))	Dow Corning	Z273554	
Glass cover slips	Corning Life Sciences	2960-244	