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Materials List for: Microinjection of Medaka Embryos for use as a Model Genetic Organism

Sean R. Porazinski¹, Huijia Wang¹, Makoto Furutani-Seiki¹

¹Centre for Regenerative Medicine, Department of Biology and Biochemistry, University of Bath

Correspondence to: Makoto Furutani-Seiki at mfs22@bath.ac.uk

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Materials

Name	Туре	Company	Catalog Number	Comments
4" fine net	Tools	J K Aquatics Ltd.	MD001	Used to capture fish during egg harvesting.
Embryo medium	Reagent	Home made		200ml 50X stock solution, 1ml 1%methyleneblue in H ₂ O/10 liter RO water (50X stock solution: NaCl 14.7g, KCl 0.6g, CaCl ₂ 2H ₂ O 2.4g, MgSO ₄ 7H ₂ O 4.0g/1 litre RO water.
Fine waterproof sandpaper - p2000 grit size	Tools	Hermes Abrasives Ltd.		Very fine grit size for rolling/ cleaning embryos with chorions.
Borosilicate glass capillaries	Tool	Harvard Apparatus	GC100-10F	For making microinjection needles.
Micropipette puller	Equipment	Narishige International	Model PP-830	For making microinjection needles.
Eppendorf microloader	Tool	Eppendorf	5242956.003	For loading microinjection needles.
Microinjector apparatus	Equipment	Eppendorf		Model 5242.
Micromanipulator	Equipment	Narishige International		Model MN151.
Agarose injection plate	Tools	Home made		For holding embryos during injection.