

Materials List for:

Multi-Photon Time Lapse Imaging to Visualize Development in Real-time: Visualization of Migrating Neural Crest Cells in Zebrafish Embryos

Antionette L. Williams¹, Brenda L. Bohnsack¹

¹Department of Ophthalmology and Visual Sciences, Kellogg Eye Center, University of Michigan

Correspondence to: Brenda L. Bohnsack at brendabo@med.umich.edu

URL: <https://www.jove.com/video/56214>

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Materials

Name	Company	Catalog Number	Comments
Breeding Tanks with Dividers	Aquaneering	ZHCT100	Crossing Tank Set (1.0-liter) Clear Polycarbonate with Lid and Insert
M205 FA Combi-Scope	Leica Microsystems CMS GmbH		Stereofluorescence Microscope - FusionOptics and TripleBeam
Sodium Chloride	Millipore (EMD)	7760-5KG	Double PE sack. CAS No. 7647-14-5, EC Number 231-598-3
Potassium Chloride	Millipore (EMD)	1049380500	Potassium chloride 99.999 Suprapur. CAS No. 7447-40-7, EC Number 231-211-8.
Calcium Chloride Dihydrate	Fisher Scientific	C79-500	Poly bottle; 500 g. CAS No. 10035-04-8
Magnesium Sulfate (Anhydrous)	Millipore (EMD)	MX0075-1	Poly bottle; 500 g. CAS No. 7487-88-9, EC Number 231-298-2
Methylene Blue	Millipore (EMD)	284-12	Glass bottle; 25 g. Powder, Certified Biological Stain
Sodium Bicarbonate	Millipore (EMD)	SX0320-1	Poly bottle; 500 g. Powder, GR ACS. CAS No. 144-55-8, EC Number 205-633-8
N-Phenylthiourea	Sigma	P7629-25G	>98%. CAS Number 103-85-5, EC Number 203-151-2
Dimethylsulfoxide	Sigma	D8418-500ML	Molecular Biology grade. CAS Number 67-68-5, EC Number 200-664-3
Tricaine Methanesulfonate	Western Chemical Inc.	MS222	Tricaine-S
Low-Melt Agarose	ISC Bioexpress	E-3112-25	GeneMate Sieve GQA Low Melt Agarose, 25 g
Open Bath Chamber	Warner Instruments	RC-40HP	High Profile
Glass Coverslips	Fisher Scientific	12-545-102	Circle cover glass. 25 mm diameter
High Vacuum Grease	Fisher Scientific	14-635-5C	2.0-lb. tube. DOW CORNING CORPORATION 1658832
Quick Exchange Platform	Warner Instruments	QE-1	35 mm
Stage Adapter	Warner Instruments	SA-20LZ-AL	16.5 x 10 cm
TC SP5 MP multi-photon microscope	Leica Microsystems CMS GmbH		
Mai Tai DeepSee Ti-Sapphire Laser	SpectraPhysics		
Laser Safety Box	Leica Microsystems CMS GmbH		
Leica Application Suite X (LAS X) Software	Leica Microsystems CMS GmbH		

Photoshop CS 6 Version 13.0 x64 Software	Adobe		
iMovie Version 10.1.4 Software	Apple		