

Materials List for:

Cell Tracking Using Photoconvertible Proteins During Zebrafish Development

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Materials

Name	Company	Catalog Number	Comments
Materials:			
Necessary equipment for raising fish and collecting eggs (see the Zebrafish Book22 for details).			
Stereomicroscope	Leica	Lecia MZ6 Stereomicroscope	Equipped with laser operating at 488 nm
Confocal laser scanning microscope	Zeiss	Zeiss LSM 710 NLO	equipped with lasers operating at 488 nm, 561 nm, and 405 nm
Heating block			
Pair of Dumont #5 forceps			
Cover-glass-bottomed culture dish	MatTek Corp		Ashland MA USA
Microloader Pipette Tips	Eppendorf		
Vortex			
needles			
Reagents:			
<i>Egg water medium</i>			
60 µg/ml Instant Ocean Sea Salts in ddH ₂ O			
<i>E3 medium</i>			
5 mM NaCl			
0.17 mM KCl			
0.33 mM CaCl ₂			
0.33 mM MgSO ₄			
0.00001% (w/v) Methylene Blue			
<i>4 mg/ml Tricaine stock solution</i>			
400 mg Tricaine (3-amino benzoic acidethylester)	Sigma-Aldrich		
97.9 ml ddH ₂ O			
2.1 ml 1M Tris (pH9)			
Adjust at pH 7, aliquot and store -20 °C			
<i>1% LMA (Low melting temperature agarose, Lonza)</i>			
1g LMA/100 ml E3 medium 1X			
Aliquot and store at 4 °C			